



Third GECAFS Executive Committee Meeting

The Bijhorst Hotel, near The Hague, Netherlands

Sunday 1 December 2002

09:00 – 17:00

Agenda and Background Papers

Executive Committee Terms of Reference

To ensure the successful implementation of the Project, and in particular to:

- 1. Ensure the implementation of plans approved by the Scientific Advisory Committee.*
- 2. Receive reports from, and offer advice to, GECAFS individual projects and integrative studies.*
- 3. Recommend to the Chairs and Directors of the three Sponsoring Programmes appointees for the Scientific Advisory Committee.*
- 4. Ensure appropriate financial management of the IPO including approval of annual budgets and current accounts.*
- 5. Review staff performance of the IPO (including reserved business that shall exclude the Executive Officer).*
- 6. Report, through the Project Leader, to the Chairs and Directors of the three Sponsoring Programmes IGBP, IHDP and WCRP.*

The Executive Committee will meet formally about every six months.

Agenda [Item Papers attached unless otherwise indicated]

Welcome and Introduction to the Meeting – *Peter Gregory*

Item 1: Minutes of 2nd GECAFS Executive Committee Meeting (Trinidad, 25 April 2002) – *Peter Gregory*

Item 2: Matters Arising – *Peter Gregory*

Item 3: GECAFS Regional and Underpinning Research Projects Updates

1. Indo-Gangetic Plains project – *John Ingram*
2. Caribbean Food Systems project – *John Ingram*
3. Proposed Pacific Fisheries project: Links with GLOBEC Focus 4 – *Dagoberto Arcos & Mike Brklacich*
4. Proposed Southern Africa Food Systems project: Initial WS (10-11 April), links with SAVI – *John Ingram & Mike Brklacich* **No papers**
5. Vulnerability research – *John Ingram & Mike Brklacich*
6. Scenarios research – *Mike Brklacich & Doug Whelpdale* **No papers**
7. GECAFS Timeline – *John Ingram*
8. Project Flowchart – *John Ingram*
9. SAC and Executive Committee members' links with GECAFS regional and underpinning science projects – *Mike Brklacich* **No papers**

Item 4: GECAFS Prospectus and Distribution – *John Ingram*

Item 5: Funding – *John Ingram*

1. Current core funding
2. Current project funding
3. Future core funding
4. Future project funding

Item 6: Role of anticipated NSF-funded position – *John Ingram*

Item 7: Future GECAFS Meetings – *Peter Gregory* **No papers**

1. Agenda and Venue of Next SAC Meeting: Southern Africa, Saturday 12 April 2003
2. Agenda and Venue of Next Exec Meeting: Southern Africa, Sunday 13 April 2003

Item 8: Future Related Meetings

1. IGBP SC, Chile 20-23 January 2003: GECAFS representation – *Dagoberto Arcos & John Ingram*
2. Punta Arenas Symposium, Chile 23-25 January 2003: GECAFS presentation – *Dagoberto Arcos*
3. Rice-Wheat Consortium Regional Technical Coordination Committee, Kathmandu 2-4 April 2003 – *John Ingram*
4. IGBP Science Conference, Banff 19-24 June 2003 – *John Ingram*
5. Possible joint w/s with HELP and Joint Water Project (mid-2003) – *Peter Gregory*
6. IUFoST Congress, 16-20 July 2003 – *John Ingram*
7. HD Open Meeting, Montreal 13-17 October 2003: Possible session on interdisciplinary research – *Maarit Thiem & Mike Brklacich*
8. 1st Int CLIVAR Science Conf, 21-25 June 2004: Climate applications theme – *Doug Whelpdale* **No papers**

Item 9: Any Other Business

1. Proposal for GECAFS Science Series – *John Ingram*
2. www.gecafs.org – *John Ingram*

Item 1: Minutes of 2nd GECAFS Executive Committee Meeting

**2nd GECAFS Executive Committee Meeting
Kapok Hotel, Trinidad, Thursday 25 April 2002**

DRAFT MINUTES

Present:

Peter Gregory (Chair)
Mike Brklacich
John Ingram (Secretary)
Hector Peña (Observer, on behalf of Dagoberto Arcos)
Maarit Thiem (Observer)
Doug Whelpdale

Welcome and introductions

Peter Gregory welcomed participants. Apologies were noted from Dagoberto Arcos and Mohamed Salih.

Item 1: Minutes of Inaugural GECAFS Executive Committee Meeting (Amsterdam, 15 July 2001)

Peter Gregory signed these as correct.

Item 2: Matters Arising

Formal collaboration with FAO.

ACTION: John Ingram to discuss possibility of an agreement between NERC (on behalf of GECAFS) and FAO.

ICARDA workshop, Aleppo, 12-14 November 2001 [re-scheduled to 5 – 7 May 2002]

John Ingram will present a GECAFS paper and explore the possibility of a GECAFS project in WANA on food systems based on grazing where land use change to Atriplex systems might be a major land management option.

International Council for the Exploration of the Sea (ICES) in September/October 2001

Hector Peña reported there had been no action on this point that he was aware of. No further action is necessary.

Legal entity and liability

Item 1: Minutes of 2nd GECAFS Executive Committee Meeting

The Executive noted the correspondence in the background papers. No further action is necessary.

GECAFS web site

The importance of the GECAFS web site was noted, while stressing the need to “keep it simple”.

ACTION: John Ingram to update GECAFS web site.

Summary of Future Meeting Plans

The Executive noted success, in part, in delivering the plans as set in July 2001. Future Meetings were discussed elsewhere on the agenda.

Item 3: Summing up of Inaugural SAC

Peter Gregory noted the very positive “feel” to the discussions, and the valuable, constructive criticism provided by the SAC. The main message of “do a few things well in the first year” was clear. This will build a good platform for raising further funds for follow-up actions ahead. The clear interest by the “institutional reps” was noted, and a follow-up visit to USAID was agreed.

ACTION: John Ingram to arrange follow-up visit to USAID.

Scenarios Development

GECAFS Scenario development needs to be taken forward, with an initial workshop in about mid-2003. This will need someone to draw together current work and define the GECAFS role as background for an initial meeting in about mid 2003. Given his experience in scenario development for Brazil, it was suggest that Luis Vieira might be willing to join the International Workshop on Scenarios of the Environment (Kassel, 17-19 July 2002), and if so, to see if Joe Alcamo could accommodate a further participant. Luis Vieira might then be able to identify someone to develop the paper.

ACTION: Mike Brklacich to discuss with Luis Vieira and see if in principle he would be willing to help develop GECAFS scenarios agenda. Then, if so:

ACTION: John Ingram to contact Joe Alcamo and see if he could accommodate Luis Vieira as a further participant at the Kassel workshop (at GECAFS cost if necessary).

Development of inventory of ongoing studies

It was agreed to wait until after the publication of the WSSD paper before taking any further action on this.

WSSD paper

Item 1: Minutes of 2nd GECAFS Executive Committee Meeting

The WSSD paper was further discussed. Comments have been combined with those from the Scientific Advisory Committee discussion and reported in the Paper “GECAFS Paper for ICSU WSSD Series on Science for Sustainable Development”.

Item 4: Overview of Rice-Wheat and Caribbean Food Systems projects

Indo-Gangetic Plain (Rice-Wheat)

Plans for the IGP project are proceeding with the Research Planning workshop set for 28 – 30 November in the IGP (currently Delhi, but this may be changed in discussion with RWC). The establishment of the Consultancy was seen as an important step. The approach of developing a consultancy involving local scientists might be appropriate for other projects.

Caribbean

Output from the 22-23 April Workshop should be posted on the GECAFS web site.

ACTION: John Ingram to post output from the 22-23 April Workshop on the GECAFS web site.

The fragmented nature of research, data gathering and policy-formulation in the region was apparent from the 22-23 April Workshop. The need to develop a GECAFS project that established a regional approach was therefore paramount. This would best be developed in close collaboration with FAO and CARICOM.

The 22-23 April workshop was noted as valuable starting point, but that it did not deliver a clear indication of what might become GECAFS research issues. The next step should be to commission a paper which synthesises some of the 22-23 April workshop papers and brings in a regional perspective of research questions within the GECAFS framework. A follow-up regional meeting would then use this as a basis for discussing the nature of a GECAFS project.

Background papers to be invited by mid August would be:

Donatus St Amiee, Trinidad (food system)

Susan Singh-Renton, St Vincent & The Grenadines (fisheries)

Richard Harrison, Jamaica (land-based production systems)

Adrian Trotman, Barbados (regional GCM output and current climate variability issues)

The synthesis paper could be invited by end September from Neville Trotz and Jim Bruce.

The follow-up meeting is planned for Thursday 17 – Saturday 19 October 2002, taking up the offer by Donatus St Aimee to host it in St Lucia. More NGOs need to be involved.

[A subsequent meeting on 26 April with Neville Trotz, in CPACC Barbados, confirmed this plan as appropriate. The choice of St Lucia is particularly welcomed as it is a member of OECS (Organization of Eastern Caribbean States, <http://www.oecs.org/>). The meeting should ideally be co-sponsored by CARICOM, FAO and GECAFS.]

Item 1: Minutes of 2nd GECAFS Executive Committee Meeting

ACTION: John Ingram to confirm strategy for Caribbean paper development with proposed authors.

ACTION: John Ingram to confirm Donatus St Aimee is still prepared to host a meeting in St Lucia and make local arrangements.

ACTION: John Ingram to discuss FAO and CARICOM sponsorship with Barbara Huddleston and Neville Trotz, respectively.

The Caribbean input into WSSD proposed by the 22-23 April Workshop was welcomed, and GECAFS offered to review the paper. No action is required unless invited.

Item 5: Proposed Pacific fisheries project

Due to a need to scope issues initially on a global basis, it was agreed to initiate the fisheries project with a global meeting looking at food provision based on coastal fisheries in general. A follow-up meeting could then concentrate on a regional example. The global meeting should be planned for early 2003, with a regional follow-up meeting later that year.

There may be valuable input from IDGEC relating to Exclusion Zone management; and from GLOBEC.

ACTION: John Ingram to discuss possible IDGEC involvement with Oran Young.

ACTION: John Ingram to discuss possible GLOBEC involvement with Manual Baranage, and to ask him to identify potential participants while at the GLOBEC OSC in China in October.

ACTION: John Ingram to make initial plans for meetings.

Item 6: Presentation to Chairs and Directors Meeting, Bonn, June 2002

The presentation needs to demonstrate a well-focussed, action orientated agenda. It should highlight GECAFS products, including the various proposals that have been submitted.

Following discussion with the SAC, the Sponsoring Programmes' policy on potential corporate sponsorship needs to be established.

The method(s) for interaction between the Joint Projects needs to be clarified.

The possibility of *Diversitas* becoming a fourth sponsor for GECAFS as a matter of Sponsoring Programmes' policy was noted. If this is the case, the implications must be clarified and any necessary changes carefully considered.

The existing Reporting to Chairs and Directors was strongly supported.

ACTION: Peter Gregory to seek guidelines on commercial sponsorship from Chairs and Directors.

ACTION: Peter Gregory to discuss implications of *Diversitas* becoming a fourth sponsor for GECAFS, if appropriate.

Item 1: Minutes of 2nd GECAFS Executive Committee Meeting

ACTION: Peter Gregory to confirm reporting line to Chairs and Directors.

ACTION: Peter Gregory to discuss interaction between the Joint Projects with the Chairs and Directors.

Item 7: GECAFS Prospectus

The need to target this document principally towards the Sponsoring Programmes was noted. A subsequent document should be prepared for a wider audience. This might be based on the WSSD paper.

ACTION: Executive Cmmtt to send John Ingram any comments on draft Prospectus by 10 May.

ACTION: John Ingram to work with IGBP Secretariat on Prospectus production issues.

Item 8: Overview of GECAFS IPO Accounts

The Executive noted the status of accounts maintained by the IPO and the University of Bonn. The presentation of the overall IPO budget needs to be tailored for given purposes; i.e. separate out the “science” elements so as to reduce the perceived overall “administration” level.

ACTION: Maarit Thiem to arrange transfer of remaining funds from Bonn to CEH as soon as possible.

Item 9: Review of IPO staff performance and Forward Job Plans

The Executive noted the IPO Staff Reports and Forward Job Plans. It was agreed to maintain this agenda item for the first Executive meeting each year.

Item 10: Any Other Business

10.1 GLOBEC 2nd Open Science Meeting, 15-18 Oct 2002, China

Noted above under Item 5.

10.2 GECAFS-HELP meeting, 2003

It was noted that the GECAFS emphasis is on establishing an active research programme, and the value of possible collaborations with other organisations needs to be seen in this context, and on a case by case basis. The importance of water issues in the IGP project suggests a joint meeting with HELP would be appropriate *after* the GECAFS research agenda is established. Meanwhile the possibility of establishing such collaboration could be explored in

Item 1: Minutes of 2nd GECAFS Executive Committee Meeting

preparative meetings by inviting appropriate HELP contacts in their scientific, rather than institutional capacities.

ACTION: John Ingram to brief Jim Wallace on Executive Cmmtt discussion about GECAFS-HELP interactions.

10.3 Links with Core Projects' science

The issue of “confusion” between the respective agendas of Core Projects and GECAFS has emerged in IGBP-GCTE Focus 3 (Agroecology). This was not perceived to be a Sponsoring Programmes-wide issue, and should best be resolved at “GCTE-level”.

ACTION: John Ingram to liaise with GCTE and GCTE Focus 3 as necessary.

Item 11: Date and Venue of Next Meeting

To be decided.

ACTION: John Ingram to discuss date and venue of next Executive Meeting with Executive Cmmtt.

John Ingram
GECAFS Executive Committee Secretary

Drafted: 1 May 2002

Confirmed:

Peter Gregory, GECAFS Chair

Date: 1 December 2002, The Hague

Item 2: Matters Arising

Formal collaboration with FAO

ACTION: John Ingram to discuss possibility of an agreement between NERC (on behalf of GECAFS) and FAO.

ICARDA workshop, Aleppo, 12-14 November 2001 [re-scheduled to 5 – 7 May 2002]

ACTION: John Ingram to present paper and explore collaboration.

GECAFS web site

ACTION: John Ingram to update GECAFS web site.

USAID follow-up

ACTION: John Ingram to arrange follow-up visit to USAID.

Scenarios Development

ACTION: Mike Brklacich to discuss with Luis Vieira and see if in principle he would be willing to help develop GECAFS scenarios agenda. Then, if so:

ACTION: John Ingram to contact Joe Alcamo and see if he could accommodate Luis Vieira as a further participant at the Kassel workshop (at GECAFS cost if necessary).

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Item 2: Matters Arising

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ACTION: John Ingram to work with IGBP Secretariat on Prospectus production issues.

Overview of GECAFS IPO Accounts

ACTION: Maarit Thiem to arrange transfer of remaining funds from Bonn to CEH as soon as possible.

GECAFS-HELP meeting, 2003

ACTION: John Ingram to brief Jim Wallace on Executive Cmmtt discussion about GECAFS-HELP interactions.

Links with Core Projects' science

ACTION: John Ingram to liaise with GCTE and GCTE Focus 3 as necessary.

Item 3: GECAFS Regional and Underpinning Research Projects Update

3.1 Indo-Gangetic Plains Food System project

Overview:

The IGP food system is both threatened by GEC *and* contributes to further GEC “forcing”. In the face of GEC, policy requirements are to develop strategies that promote:

- agricultural competitiveness while limiting further environmental degradation
- food provision systems which enhance the social security of the more vulnerable
- rural employment opportunities thereby reducing intra-IGP labour migration and urbanisation

Water management and diversification are both priority issues across the IGP but the GECAFS study needs to recognise marked socioeconomic and biophysical differences between Western and Eastern sub-regions.

Building on the March workshop output a short-term consultants (Dr PK Aggarwal, crop science; and Dr PK Joshi, agricultural economist) have prepared a paper elaborating on information needs of regional and national policy makers. An initial draft was presented at a small Discussion Meeting (Delhi, 9 October) and preliminary, overarching research questions within the GECAFS framework were identified:

The IGP Western Region is characterised by:

- high investment in infrastructure, institutions and effective policy support
- intensive agriculture; high use of agrochemicals and ground-water for irrigation
- high productivity and hence a food surplus region: responsible for national food security
- seasonal in-migration of male labour

Theme 1: *How will climate variability affect change in water demand in IGP food systems?*

Theme 2: *How can changes in water management (e.g. through policy instruments and/or agronomic aspects) reduce vulnerability of rice-wheat productivity to climate variability?*

Theme 3: *What will be the consequences of changed water management on rural livelihoods, intra-regional trade, GHG emissions and water tables?*

The IGP Eastern Region is characterised by:

- high risk of both flooding and drought
- poor infrastructure and limited capacity for private investment
- largely subsistence agriculture
- low productivity and hence a food deficit region: poverty, hunger and malnutrition
- out-migration of male labour: increased involvement of women and children

Theme 1: *How will climate variability affect vulnerability of resource-poor farmers to flooding?*

Theme 2: *What are the market opportunities, social constraints and technical options for diversifying crops (e.g. aquaculture) to make more effective use of flood and groundwater?*

Theme 3: *How would diversification affect rural incomes, labour migration, water quality and regional biodiversity?*

These questions were refined at a 15-person workshop (Delhi, 19 November). With the re-drafted consultancy paper as a main input, the workshop delivered a set of researchable issues (Table 1) which collectively aim to address the overarching questions.

Item 3: GECAFS Regional and Underpinning Research Projects Update

Table 1. Key information needs to support policy formulation in the IGP in the context of GEC, as identified by a wide range of stakeholders.

| Theme | Western IGP | Eastern IGP |
|---|--|---|
| Theme 1 Vulnerability and Impacts | <ul style="list-style-type: none"> How will GEC (especially climatic variability) and increasing non-farm demands affect change in water supply and demand and consequent food system vulnerability? | <ul style="list-style-type: none"> How will GEC affect vulnerability of resource-poor farmers to flooding and drought, and how will this exacerbate existing socioeconomic inequities? What early warning systems of environmental change and its potential impacts would assist stakeholders to identify regions and communities of potentially greater insecurity? |
| Theme 2 Adaptations | <ul style="list-style-type: none"> How can changes in water management (e.g. through enhanced policy instruments, landuse strategies and community participation) and energy-efficient technologies reduce vulnerability of food systems to climate variability and other aspects of GEC? How can increasing urban and agricultural wastes and water of inferior quantity be utilised in agriculture to adapt to reduced land and water availability? Where, what forms and how much additional public and private investment would be needed to increase on-farm income, maintain water balance and diversify from rice-wheat system? How can policies and institutional arrangements best be adapted to promote adoption of existing technology options to enhance production in the face of GEC while conserving natural resources? | <ul style="list-style-type: none"> What investment policies (e.g. insurance) would encourage farmers and society to adopt available technological options to reduce vulnerability to GEC? What infrastructure, market opportunities and technical options need to be developed for diversifying crops (e.g. to aquaculture) to make more effective use of flood and groundwater, and what are the social constraints (e.g. food preferences) to their adoption? What policy interventions are needed to reduce the number of hungry and/or undernourished people (especially women and children) considering that food production systems may become even more risk-prone? What new institutional mechanisms in research and extension (e.g. involvement of NGOs and private sector) would facilitate generating, adapting, disseminating and utilising knowledge in managing increased risks due to GEC? |
| Theme 3 Socio-economic and environmental consequences | <ul style="list-style-type: none"> What will be the consequences of alternative approaches to water management and resource-conservation strategies on rural livelihoods, intra-regional trade, carbon sequestration and GHG emissions, and water tables? What would be the consequences of diversifying from rice-wheat system on food production, government procurement, energy use, income and employment potential, resource conservation and GHG emissions? | <ul style="list-style-type: none"> How would diversification and increased government interventions (e.g. markets, roads, credit, flood control and extension services) affect food provision, rural income, equity, labour migration and employment, water use and quality, biodiversity, and GHG emissions? |

Item 3: GECAFS Regional and Underpinning Research Projects Update

Next Steps:

The planning process so far has identified “What” needs to be researched. We now need to establish “How”. Table 1 questions will set the agenda for a research planning workshop (2-4 April 2003, probably Kathmandu) at which the main elements of the research proposal (especially proposed methodologies) will be developed. Both USAID and DFID regional offices are keen to participate.

The initial idea of a strong link to the Rice Wheat Consortium warrants “down playing” a little, and this is too agronomically-biased. It is however important to keep a strong link with the CGIAR in the region, and establishing a collaboration with ICRISAT also (by requesting them to host the April ws) could be advantageous. The GECAFS project does need a collaboration with an international group in the region to help with logistics, funds-flow, etc.

April Workshop: Research Planning (Wed 2 – Fri 4 April 2003; probably Kathmandu)

Objectives: To develop the main elements of a research proposal, especially methodology and collaborators.

Day 1 am: GECAFS Overview; Consultants’ paper and Key Information Needs

Day 1 pm: Relevant methodologies – series of presentations from relevant regional projects

Day 2 am: WGs on general methodologies for GECAFS questions

Day 2 pm: WGs on specific methodologies for GECAFS questions

Day 3 am: WGs on implementation methods and potential collaborators

Day 3 pm: Governance and Proposal Drafting Team identification (Closed Session?)

Possible Invitees (plus proposed funding * from DFID grant)

| Regional* | Core & Joint Projects | GECAFS/Related | Others/Donors |
|--------------------------|-----------------------|----------------------------|-----------------------|
| IN: PK Aggarwal (crop) | GCTE* | Peter Gregory | ICRISAT (DG/Pandey)* |
| IN: PK Joshi (ag econ) | IGAC* | Mike Brklacich* | IRRI (Thelma Paris) |
| IN: PS Samra (food/env) | BAHC* | Mohamed Salih* | IWMI (Scott) |
| IN: V Joshi (social) | GECHS* | John Ingram | IFPRI (Gulati) |
| IN: Rita Sharma (policy) | IT* | Science Officer (if ID’ed) | CP-CC link (P Grace)* |
| NP: Sherchan (crop) | IDGEC* | Other Exec Cmmnt? | RWC (Raj Gupta) |
| BD: Ahmed (policy/GIS) | CLIVAR* | | USAID Regional |
| PK: ? | Joint Water Project | Saleem Huq (IIED)* | DFID Regional |
| Need local climatologist | Joint Carbon Project | | ADB (Dayal) |
| Others? | | | FAO (Pingali) |
| Up to 12* | 9 (7*) | 5 (3*) | 10 (2*) |

Funding as allocated in DFID budget (US\$):

| | |
|---------------------------------|-------|
| 12 regional fares @ 450 | 5400 |
| 6 international fares @ 2250 | 13500 |
| 18 for 4 nights @ 150 per night | 10800 |
| Incidentals | 300 |
| Total (US\$) | 30000 |

A saving on accommodation of ca. 50% (equiv to a further 3 - 5 international fares) could be made by holding the meeting in Kathmandu (as opposed to Delhi as budgeted with DFID).

The Executive Committee needs to (i) review progress; and (ii) consider key aspects of April WS: Purpose, Agenda, sponsorship (ICRISAT/other?), invitees (especially IGBP, IHDP & WCRP Core Projects), funding, follow-up.

Item 3: GECAFS Regional and Underpinning Research Projects Update

3.2 Caribbean Food Systems project

Overview:

Regional Policy Priorities

- Higher levels of food self sufficiency through increased productivity and diversification of agricultural production.
- Improved trade policies and competitiveness through greater export of high quality produce and processed products.
- Enhanced sustainability of the food and agricultural sector and poverty alleviation in rural communities, through greater opportunities for rural employment.

Features of the Region

- Many small island states
- Diverse cultures, environments and food provision systems
- Great dependence on food imports
- Reliance on export crops, tourism & other non-food sectors (e.g. minerals) to provide revenue
- Susceptibility to weather extremes
- Susceptibility to changes in preferential export markets
- Weak regional-level institutional connectivity

Overarching GECAFS Questions

Theme 1 *How will GEC (especially land degradation, variability in rainfall distribution, sea surface temperature, tropical storms and sea-level rise), affect vulnerability of food systems in the Caribbean?*

Theme 2 *What combinations of policy and technical diversification in food harvested and traded for local consumption, in export commodities and in tourism would best provide effective adaptation strategies?*

Theme 3 *What would be the consequences of these combinations on national and regional food provision, local livelihoods and natural resource degradation?*

STORY LINE 1: LOCAL LEVEL

Target: Food systems in resource-poor communities based on fishing and locally-produced food crops

Aim: To reduce food system vulnerability, especially in relation to changes in climate variability.

T1 How would changes in climate variability and water availability affect food systems of communities on different islands?

T2 How would current national and regional policy instruments (e.g. access to markets, insurance schemes, EEZs) best be adjusted to enhance the effectiveness of technical options for diversifying cropping systems and fisheries so as to reduce vulnerability to GEC?

T3 To what extent would these strategies affect food provision by altering the proportional reliance on local vs. imported commodities, and how would changed land management and associated changes in runoff affect coastal fisheries and other aspects of coastal zone ecology and tourism income based on this?

Item 3: GECAFS Regional and Underpinning Research Projects Update

STORY LINE 2: REGIONAL LEVEL

Target: Caribbean regional food provision

Aim: To develop regional-level strategies to reduce the *additional* complications GEC would bring to regional food provision, given changing preferential export markets

Theme 1 What additional factors would GEC bring to destabilise the region's food system, and in particular what would be their impact on revenue generation from different cash commodities?

Theme 2 How could regional institutional changes best be introduced to sustain regional food provision by maximising diversification options and inter-island trade?

Theme 3 How would changes in intra-regional trade, and in policy and technical development at a regional level affect development in individual islands, and how could such changes be promoted to conserve the natural resource base of the region?

A small, regional Interim Steering Group (ISG, supported by a short-term consultancy to CARDI) has been convened to maintain momentum, establish political base for the project and refine current output:

| | |
|-----------------|-------------------------------------|
| CARDI: | <i>Bruce Lauckner</i> |
| CARICOM: | <i>Rep invited</i> |
| CFU: | <i>Susan Singh-Renton</i> |
| CIMH: | <i>Adrian Trotman</i> |
| ECLAC: | <i>Donatus St Aimee</i> |
| FAO: | <i>Bobby Phillips</i> |
| GECAFS: | <i>Exec Cmmtt member(s)</i> |
| UWI: | <i>Ranjit Singh</i> |
| Contact person: | <i>Jaiwante Samsouandar (CARDI)</i> |

Next Steps:

1. By mid-Nov 02: St Lucia Workshop Report on www.gecafs.org
2. By end-Nov 02: ISG to determine strategy of how best to organise follow-up discussions with CARICOM and key Ministries in region
3. By mid-Jan 03: ISG to draft main blocks of research proposal and concept note for possible seed funds for proposal preparation
4. Late-Feb 03: ISG meeting (?Barbados) to draft research proposal and identify potential collaborators
5. By Jun 03: Proposal finalisation
6. From mid-03: Discussion with potential donors
7. By mid-04: Project launch workshop (?Jamaica)

February workshop

Possible Invitees: All ISG; key regional scientists; LOICZ, GECHS, IDGEC, CLIVAR

The Executive Committee needs to (i) review progress and (ii) establish which Core Projects should be invited to join the Proposal Planning process and when/how.

Item 3: GECAFS Regional and Underpinning Research Projects Update

3.3 Proposed Pacific Fisheries project: Links with GLOBEC Focus 4

[GLOBEC Focus 4 main features are described in GLOBEC Newsletter Vol 8, No 2 (Oct 2002), pp 34-37. A pdf file is attached.]

Email correspondence with Ian Perry (Co-Chair GLOBEC Focus 4)

John Ingram to Ian Perry (18 November 2002):

Dear Ian

Thanks so much for the update and for your continued interest in collaborating with GECAFS. Your information about Kenneth Broad and Tim Baumgartner is very welcome, and the possibility of linking up with Tim's work makes a lot of sense (although we will have to consider dates carefully given other GECAFS activities around then).

We have a GECAFS Executive Meeting on 1 December when we will consider options carefully. I will get back to you asap after that, and meanwhile I am copying this message to those cc'ed in your original; and also for info to Peter Gregory (GECAFS Chair) and to Dagoberto Arcos (who is a member of the GECAFS Exec, and who works in the fisheries sector in Chile).

Thanks again, and best wishes,

John

>>> <PerryI@pac.dfo-mpo.gc.ca> 11/08/02 11:07pm >>>

Hello John -

I hope that your (recent) travels went well. We are back from our GLOBEC SSC meeting in China, and a very successful 2nd Open Science Meeting.

I wanted to pass along some ideas regarding possible GLOBEC and GECAFS interaction, especially as it relates to our discussions on GLOBEC's Focus 4 and your efforts to establish a Pacific fisheries program.

GLOBEC's Focus 4 is still very interested in seeing something along these lines get started in fisheries, and the South American pelagic fisheries issue(s) would be an excellent start. We are in the process of finalising the membership for our GLOBEC Focus 4 Working Group; one of the members is likely to be Dr. Kenneth Broad (University of Miami), who is a social scientist and has done a lot of work in Peru in regards to how information on climate variability (specifically El Nino) and fisheries is handled by various sectors of society. I think that he would make an excellent point of contact/representative for GLOBEC's Focus 4 WG to GECAFS on this issue - and he is interested to participate. His Email address is Kenny Broad [kbroad@rsmas.miami.edu]

Another member of our GLOBEC SSC, Dr. Tim Baumgartner (Mexico) is a natural scientist who is very involved in small pelagic fisheries along the west coasts of North and South America (and elsewhere). He is the principal coordinator for several projects on small pelagic fisheries in these areas funded by the Inter-Americas Institute for Global Change Research (IAI). He told me that he is planning to have a workshop on small pelagic fisheries issues in either Peru or Chile next March/April. This might provide an excellent opportunity for GECAFS to attend at least part of his workshop (depending on the specific topic and interest) and/or to hold your planning meeting in conjunction with this IAI workshop. Perhaps you could communicate with Dr. Baumgartner directly [tbaumgar@cicese.mx].

I will continue to keep you informed as our GLOBEC Focus 4 activities develop, and I would appreciate continuing discussions with you in regards to GECAFS.

Best wishes -

Ian

Dr. Ian Perry
Fisheries & Oceans Canada
Pacific Biological Station
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Canada
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fax: (250) 756-7053
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The Executive Committee needs to establish how best to initiate the Pacific fisheries project and which Core Projects should be invited to join initial discussions.

Item 3: GECAFS Regional and Underpinning Research Projects Update

3.4 Proposed Southern Africa Food Systems project

GECAFS plans include a project in Southern Africa. The food systems focus may be on extensive rangelands + smallholder/commercial maize. An initial “Issue Identification Workshop is proposed for 10-11 April; ?Gaberone/?Maseru.

Initial discussions with Colleen Vogel (Wits University, Jo’burg; and IHDP Chair) confirm a GECAFS project would be desirable; and an initial discussion meeting with SADCC and national planners in April would be timely. The meeting would immediately precede the GECAFS 2003 SAC meeting and all SAC members would be invited.

Possible Invitees (funding: up to \$25k to be requested from NOAA + GECAFS Mgmt funds):

| | | |
|-----------------------------|----------------------------|--------------------|
| Arcos | GECAFS Exec | GECAFS Mgmt funds |
| Arntzen | | NOAA regional |
| Bohn | UEA | NOAA international |
| Brklacich | GECAFS Exec/SAVI | GECAFS Mgmt funds |
| CLIVAR rep | CLIVAR | NOAA international |
| DFID rep | DFID | Self |
| Downing | SEI | NOAA international |
| EU-INCO R'lands Project rep | EU-INCO Rangelands Project | NOAA regional |
| GECHS rep | GECHS | NOAA international |
| Gregory | GECAFS Exec | GECAFS Mgmt funds |
| Hesterman | GECAFS SAC | Self |
| Hoffmann | UCT | NOAA regional |
| Huddleston | GECAFS SAC | GECAFS Mgmt funds |
| IDGEC rep | IDGEC | NOAA international |
| IGAC rep | IGAC | NOAA international |
| IGBP LAND nominee | IGBP LAND | NOAA international |
| Ingram | GECAFS Exec | GECAFS Mgmt funds |
| Izac | GECAFS SAC | GECAFS Mgmt funds |
| JonesJim | GECAFS SAC | GECAFS Mgmt funds |
| Karen O'Brien | SAVI | NOAA international |
| LUCC rep | LUCC | NOAA international |
| Lynam | Rockefeller Nairobi | self |
| Mearns | GECAFS SAC | GECAFS Mgmt funds |
| Meissner | Ag Res Council, RSA | NOAA regional |
| Motha | GECAFS SAC | GECAFS Mgmt funds |
| SADB rep | SADB | self |
| SADCC rep | SADCC | self |
| Salih | GECAFS Exec | GECAFS Mgmt funds |
| SchultzRoland | BAHC | NOAA regional |
| Science Officer | GECAFS | GECAFS |
| Shah | GECAFS SAC | GECAFS Mgmt funds |
| StaffordSmith | ex GCTE Rangelands | NOAA international |
| Sugrue | GECAFS SAC | self |
| Thiem | GECAFS Exec | GECAFS Mgmt funds |
| Tyson | START | NOAA regional |
| Vieira | GECAFS SAC | GECAFS Mgmt funds |
| Vogel | IHDP | NOAA regional |
| Whelpdale | GECAFS Exec | GECAFS Mgmt funds |
| Yannakou | Exec VP CSIR, RSA | NOAA regional |

The Executive Committee needs to establish how best to initiate the Southern Africa project and which regional scientists and groups and Core Projects should be invited to join initial discussions. [Note: Mike Brklacich, Maarit Thiem and John Ingram will meet Colleen Vogel in Frankfurt on 3 December to discuss further.]

Item 3: GECAFS Regional and Underpinning Research Projects Update

3.5 Vulnerability research

GECAFS has recently received two grants (“ICSECA” and “ESRC”) to help develop the underpinning “Vulnerability Science”:

Summary of US NAS “ICSECA” grant “Vulnerability of Food Systems to Global Environmental Change”

2002: international workshop in the USA in 2002 to bring together groups that are involved in vulnerability research (\$15k awarded). Planned for 15-16 Jan 2003, c/o NAS Washington.

2003: literature review and synthesis (\$25k awarded; post-doc to be based with Mike Brklacich, GECHS IPO, Ottawa).

2004: follow-up international workshop in India [can be moved to Southern Africa] to compare and contract approaches to vulnerability assessments (\$25k awarded-subject to confirmation).

January 2002 Workshop:

Purpose:

- Clarify definitions and respective research agendas and determine which group has a particular strength in which aspects of vulnerability science relevant to GECAFS.
- Design a major literature review (to be commissioned during 2003) to assess and synthesise the dispersed information on vulnerability as relating to GECAFS.
- Draft a proposal to the ICSU 2004 Call (submission date ca. February 2003) to prepare for undertaking a coordinated study of vulnerability in one of the initial GECAFS study regions.

Invitee status (13 confirmed acceptances; 6 anticipated)

| LASTNAME | Organisation | Reply |
|-------------------|-----------------|-------|
| Adger | Tyndall UEA | Y |
| Arcos | GECAFS | |
| BarnettJ | Univ Melbourne | Y |
| Bohle | Univ Heidelberg | Y |
| Bridgewater | MAB | Maybe |
| Brklacich | GECAFS/GECHS | Y |
| Carpenter | MA | |
| Clark | NOAA | |
| Downing | SEI-Oxford | Y |
| ESRC-NSF link rep | ESRC | Prob |
| Folke | Stockholm | N |
| Gregory | GECAFS | N |
| Hesterman | GECAFS | N |
| Huddleston | FAO | |
| Huq | IIED | Prob |
| Ingram | GECAFS | Y |
| IRI rep | IRI | |
| JoshiPK | Univ Delhi | |

Item 3: GECAFS Regional and Underpinning Research Projects Update

| | | |
|-----------|--|-----------------------|
| Kelly | CRU UEA | N |
| Kerttula | NSF akerttul@nsf.gov | |
| Korsmo | NSF Arctic Social Sci Prog | N, nominated Kerttula |
| Leary | START | Y |
| Lebel | Chiang Mai University | N |
| Liverman | Univ Arizona | |
| Moss | USGCRP | Y |
| NAS rep | NAS | |
| Noble | World Bank | Y |
| O'Brien | Univ Oslo | Y |
| Pulwarty | U of Colorado/NOAA | Maybe |
| Rayner | ESRC/Univ Oxford | N |
| Salih | GECAFS | Y |
| Simmons | USAID | N |
| Singh | UWI | |
| Stern | NAS Washington | |
| Thiem | GECAFS | N |
| Vogel | IHDP | Y |
| Walker | CSIRO | N |
| Whelpdale | GECAFS | Y |

Further suggestions (for consideration):

From Richard Moss (Director, Office of the US Global Change Research Program):

1. Antoinette Brenkert, an ecological modeler formerly at Oak Ridge National Lab and now with the Joint Global Change Research Institute at the University of Maryland. She has done a great deal of work on quantification of indicators of both sensitivity and coping capacity and would add precision to discussions of how to measure current and project future vulnerability.

2. James Mahoney, Director of the Climate Change Science Program, and Assistant Secretary of Commerce and Deputy Administrator of NOAA. He is leading the Bush administration's climate change science program efforts. His participation would help inform him of cutting edge research in the area and this could be valuable in several respects.

I could add a few more agency names if you wish. I don't know the extent to which you want to involve potential funders. Let me know.

Richard

From Steve Carpenter (MA Scenarios Co-Leader):

Many thanks for the invitation. However, I am hopelessly overcommitted (as you guessed) and it will not be possible for me to attend. For a meeting in Washington, I wonder if Mark Rosegrant would be able to attend? You met him in Cape Town, I think. Mark will be doing the food modeling for MA, and he is based in Washington.

Best regards,

Steve

Item 3: GECAFS Regional and Underpinning Research Projects Update

Summary of UK-Economic and Social Research Council (ESRC) grant: “**Integrating social vulnerability into research on food systems and global change**”

The research aim is to enhance understanding of how concepts of vulnerability of social aspects of food systems to GEC can be integrated with concepts from natural science to provide a more holistic approach to vulnerability studies. The specific objective is to review methods for investigating the vulnerability of human food systems to global change.

Building on a preliminary framework for conducting the research (which will be established at an international workshop in the US in late 2002 with funding already provided by the US ICSECA award), the proposed research will:

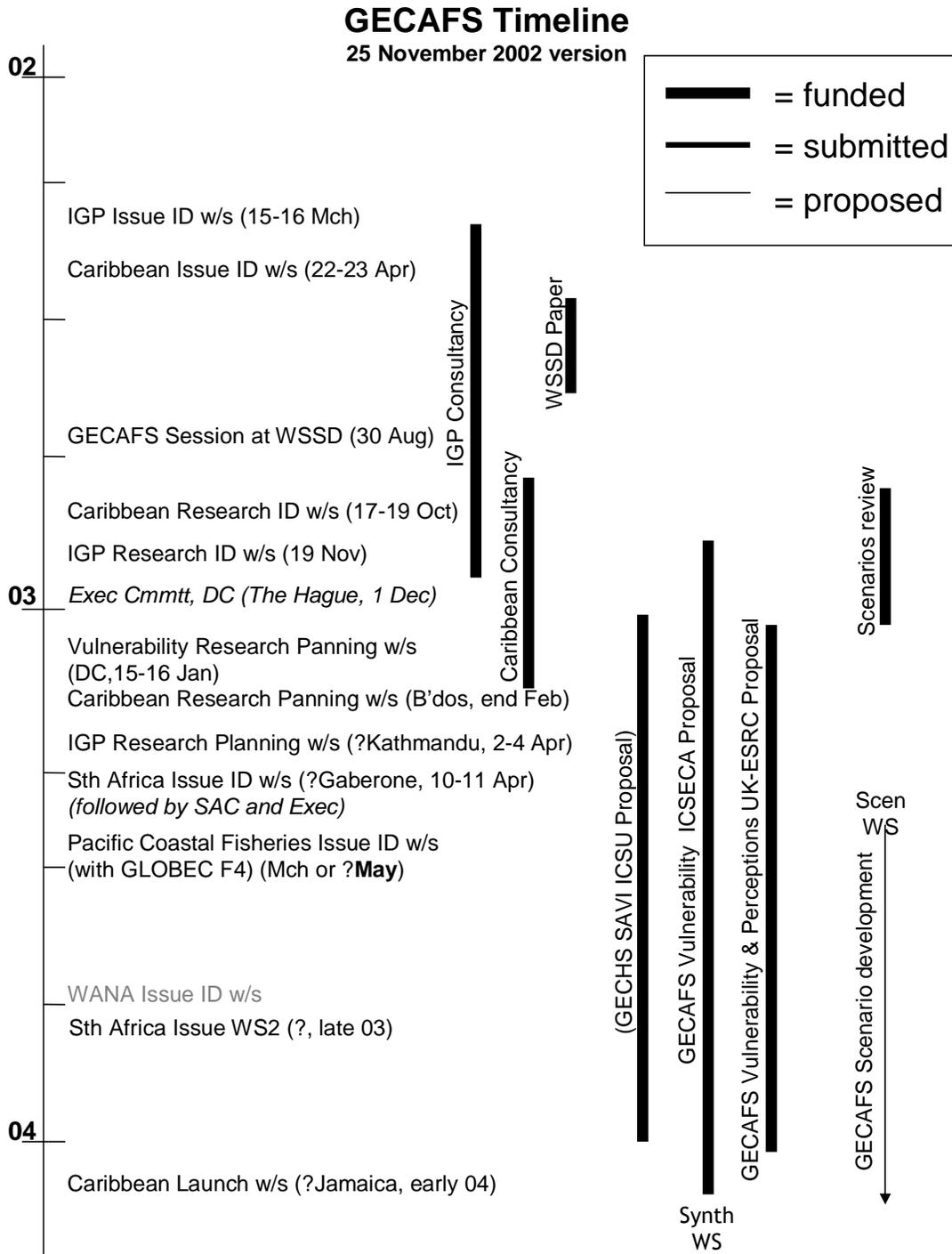
- **Evaluate and refine framework** (from the NAS ICSECA workshop) in terms of suitability for this project.
- Use this revised framework to **review methodologies** for determining present vulnerability of socio-economic systems to GEC.
- **Evaluate the prospects for using existing methods** for assessing current vulnerability (from Objective 2) **for assessing future vulnerabilities** based on integrated scenarios of GEC.
- Based on the framework, review and an expert workshop, **develop a research agenda** for further developing and applying methodologies aimed at integrating socioeconomic and biophysical approaches to vulnerability. The research agenda will be further developed at a follow-up meeting in Southern Africa (for which US-NAS ICSECA funds are anticipated).

Funds cover a 75% post-doc for 1 year (to be based with Tom Downing, Stockholm Environment Institute-Oxford) + travel for liaison with ICSECA project.

The Executive Committee needs to identify further invitees for the January ICSECA WS, and determine how best to integrate the two projects (cf Item 6: NSF position).

Item 3: GECAFS Regional and Underpinning Research Projects Update

3.7 GECAFS “Timeline”



The Executive Committee needs to note plans and prioritise activities over next 12 months.

Item 3: GECAFS Regional and Underpinning Research Projects Update

3.8 Project Flow Char

Questions are often raised regarding “how will GECAFS projects be planned and implemented?” and “what steps, and who will be involved?”. A Project Flow Chart is proposed:

GECAFS Regional Project Development: “Flow Chart”

| GECAFS Regional Project PLANNING PHASE | | | | | | | | | |
|--|-----------|----------------------|------------------------|---------------------|---------------------------------|--------------------------|------------------|---|--|
| Step | Involving | | | | | | | Event | Activity |
| | SAC | Exec Cmmtt member(s) | Regional policy makers | Regional scientists | Interim Regional Steering Cmmtt | Targeted ESSP scientists | Potential donors | | |
| 0 | ✓ | ✓ | | | | | | Consider suggestion for regional project | Advise on whether to proceed |
| 1 | | ✓ | ✓ | ✓ | | | ✓ | WS1: GEC and regional development issues identification w/s | Identify overall regional issues in GEC context, and key GEC aspects; introduction to GECAFS |
| 2 | | ✓ | ✓ | ✓ | | | ✓ | WS2: GECAFS research areas identification Phase I | Identify general topics for GECAFS project; regional steering cmmtt established |
| 2b | | ✓ | ✓ | ✓ | | | ✓ | WS2b: GECAFS research areas identification Phase II | Identify general topics for GECAFS project; regional steering cmmtt established |
| 3 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | WS3: GECAFS research planning and partnerships | Identify specific GECAFS research issues |
| 4 | ✓ | ✓ | | | ✓ | ✓ | (✓) | GECAFS proposal drafting meeting; report to SAC | Draft proposal (including collaborations) for discussion with donors; advice from SAC |
| 5 | | ✓ | | | ✓ | | ✓ | Proposal submission and follow-up visits | Research funding secured |

Item 3: GECAFS Regional and Underpinning Research Projects Update

| GECAFS Regional Project IMPLEMENTATION PHASE | | | | | | | | | |
|--|-----------|----------------------|------------------------|---------------------|-------------------------|--------------------------|--------|----------------------|--|
| Step | Involving | | | | | | | Event | Activity |
| | SAC | Exec Cmmtt member(s) | Regional policy makers | Regional scientists | Regional steering cmmtt | Targeted ESSP scientists | Donors | | |
| I1 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | WS1: Project Launch | Design literature reviews; regional steering cmmtt established |
| I2 | | ✓ | | ✓ | | ✓ | | Commissioned studies | Literature syntheses |
| I3 | ✓ | ✓ | | | ✓ | | | Report to SAC | Advice from SAC |
| I4 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | WS2: ? | |
| I5 | | | | | | | | ? | |
| I6 | | | | | | | | ? | |

The Executive Committee needs to determine (i) how best to summarise the planning of regional research projects; and (ii) likely initial implementation steps.

Item 4: GECAFS Prospectus

The GECAFS Prospectus is now in press. IGBP have offered to cover printing costs (2000 copies) and mail out.

Suggestions for initial mailing from IGBP Secretariat (no cover letter):

GECAFS Exec members (20 each)

GECAFS SAC members (10 each)

IGBP, IHDP & WCRP: Secretariats (20 each); SC members; Core Project Executive Officers

Joint Project Chairs and Executive Officers

START Secretariat (10)

CGIAR: Chair, EO and Institute DGs

FAO & WMO: DG

All participants of GECAFS all planning meetings

Regional Project Steering Groups (50 each)

The GECAFS IPO will distribute to key donors and other groups with an enclosed covering letter.

The Executive Committee needs to identify initial mailings from IGBP Secretariat and those needing targeted mailings.

Item 5: Funding

1. Current core funding

IPO/NERC (ca. \$120k/yr: IPO costs)

Funds for IPO (John Ingram & Katie Dodsley staff costs, travel etc) are secured at ca. \$120/year until August 2003.

NOAA/USAID (\$100k 2001-02: general planning. Needs to be spent by end-February 2003.)

Estimated balance \$40k

Estimated future spend: \$15k on vulnerability ws (January 2003, to top-up NAS grant); \$25k on Caribbean Project ws (February 2003)

Sponsoring Programmes

IGBP: \$15k (SAC, Trinidad)

WCRP: \$6.5k (Exec Meeting, The Hague)

IHDP: \$4k (Prospectus and SAC, Trinidad)

Estimated end-of-2002 balance: \$0k

2. Current project funding

DFID (ca. \$60k 2002-03: IGP planning)

Estimated balance \$13k. This needs to be spent by early April 2003.

Estimated spend: \$13k on IGP ws (2-4 April 2003)

ICSECA-Vulnerability (*\$15k in 2002 for WS; \$25k in 2003 for literature review and associated travel; \$15k anticipated in 2004 for WS*)

Estimated balance \$15k (which needs to be spent by early 2003)

Estimated spend: \$15k on DC ws (15-16 January 2003)

ESRC-Vulnerability (*\$50k in 2003 for literature review and associated travel*)

Funds not yet received.

3. Future core funding

NERC

NERC is to undertake a strategic review of funding of international programmes in early 2003. We await information on the format and required input to this. Peter Gregory has written to John Lawton (NERC Chief Executive) offering input.

Item 5: Funding

USAID

Bill Sugrue has invited a letter requesting more funds for ongoing “core” activities at a comparable level (i.e. \$100k/2-yr period). These funds would be seen as separate from “regional activities” which would hopefully attract funding from USAID Missions.

NSF

See Agenda Item 6.

More funds are needed to supplement this so as to provide for operating budget and institutional overhead. USDA is a possibility.

NOAA

Candyce Clarke has invited a letter requesting more funds for ongoing “core” activities at a comparable level (i.e. \$25k/yr period). This needs to be supported by a Report of Activities up to December 2002 and indicate future spend (?Southern Africa Initial WS).

NL-Agencies

Informal discussions to be hosted by the NL Min of Agriculture on 2 December 2002 should determine how best to approach Dutch agencies (i.e. Ag and other Ministries) for core support. A GECAFS Seminar is currently proposed for early 2003.

Sponsoring Programmes

Following the Chairs and Directors Meeting in June 2002, it was “understood” that each Sponsoring Programme would provide \$15k/yr for general management, except in 2002 which will be handled in an *ad hoc* manner. See however recent email from all four ESSP Directors (sent by Will Steffen to all Joint Projects, 24 November 2002):

Funding for Joint Projects

Some recent correspondence concerning funding support from the GC programmes (the Earth System Science Partnership) for the joint projects has raised some issues and potential misunderstandings. We'd like to brief you herein on the current situation regarding our ability to provide direct financial support to you.

Intention. The original intention was that each joint project should receive an annual 'block grant' of ca 40k USD primarily for the operation of the scientific guidance/oversight process, usually in the form of a scientific steering committee meeting. This is very similar to the level of direct support that each of the GC programmes gives to its own projects. As the programmes discussed the practical aspects of developing and launching the joint projects, we agreed that it would be most practical if each of the sponsoring programmes would contribute 15k USD annually to each of the joint projects. Remember that at the time the joint projects were agreed by the programmes, DIVERSITAS had not yet been re-launched and so the 3x15k contributions of IHDP, IGBP and WCRP would total 45k USD per annum.

Item 5: Funding

It is important to note that this is an intention on the part of the GC programmes and not a fixed, iron-clad obligation. Having stated that, we all place high priority on the joint projects and do everything within our power to honour this intention.

Different Situations. All four programmes have different financial situations and systems under which they work, which ultimately constrain their ability to honour this intention in any particular year.

DIVERSITAS is now building up its own research programme and must use its limited resources to ensure that it can continue to build on its strong start and become a fully functioning international research programme as soon as possible. Thus, we have agreed that DIVERSITAS should be invited and encouraged to contribute scientifically to the development of the joint projects where it can but that its financial co-sponsorship of the joint projects should be delayed until its own financial base has been increased.

IGBP has a large enough overall budget and enough flexibility in the budget that it has been able to allocate the 15k USD annually per project. It is anticipated that this situation will continue into the future, with one caveat. IGBP's central budget comes from ca. 50 national contributions from around the world, but these are almost all made on an annual basis only. Thus, unexpected drops or delays in contributions by key countries (which has happened in the past) can create problems.

IHDP relies on considerably fewer countries than IGBP for national contributions and for the few large countries that provide the bulk of its central budget, it must submit forward multi-year budgets and stick to them. Thus, IHDP was in the midst of a funding cycle when the joint projects were spinning up and had no budget line for them. Although IHDP has been able to provide some support, it has been difficult because of these constraints. Support at 15k per annum for the joint projects has been built into the next funding round, beginning in 2003, subject to the approval by the SC-IHDP, which will meet in March 2003.

Funds for WCRP are paid by its sponsors (WMO, ICSU and IOC) into a special account, the Joint Climate Research Fund, which is administered by WMO. The WMO budget is set, in advance, by its Congress for consecutive 4-yearly 'financial periods'. The current budget is for the 4-year period 2000-2003, and this was set by the WMO Congress in 1999. The new joint projects were not foreseen in 1999 and so WCRP has no explicit budget lines for these projects throughout the period 2000-2003. For this and other reasons, it is difficult for WCRP to provide funds for the new joint projects. However, to date, WCRP has managed to meet the agreed 'intention' to provide such funds through best efforts. WCRP's budget for the next quadrennium (2004-2007) will be decided at the WMO Congress in June 2003. Although a bid has already been submitted for an explicit budget for 'cooperation/joint activities with global environmental change programmes', it is already known that WCRP's overall budget for its activities will be significantly reduced throughout 2004-2007. It will be difficult therefore for WCRP to continue to maintain its financial support to its wide range of activities, including the joint projects.

In summary, you should realise that the funding situations are rather different for each of your three or four scientific sponsors. Thus, being able to provide you with 45k per annum is not the simple matter that it might seem on the surface.

Practical Aspects. There are also some practical aspects of allocating the funds that should be borne in mind when accessing them. For example, WCRP requires a direct request considerably in advance of the meeting/activity to be funded, so that it can comply fully with the requirements of the governing WMO financial conditions and process. If complied with, this action 'before the event' is not onerous and a 'block grant' can normally be issued ahead of the event. Also, once the funding approval has been secured from WMO, the accounting information required 'after the event' is also minimal and easy to provide. IGBP is more flexible but still requires a prospective budget. In some cases, a programme's 15k contribution can be made as a lump sum payment to the joint project. In others, the funding may come in the direct support of scientists representing its community. We appreciate that it would be much easier from your perspective if you received a single, block grant of 45k each year. However, given the different systems and constraints under which the programmes themselves operate, this is not yet possible.

In summary, we reaffirm our intention to provide each of your projects with an annual 45k block grant to operate your science oversight systems. However, due to the conditions described in detail above, this cannot yet be a fixed obligation. We will do our very best, however, to come as close as possible to reaching this target level of support every year.

With best wishes,

Item 5: Funding

4. Future project funding

IAI

IAI continue to support regional participation in the Caribbean planning process and will likely be willing to support the Pacific Fisheries planning phase.

USAID and DFID (and NL-DGIS?)

Both agencies have expressed a keen interest in being involved in regional project development in the IGP; and will hopefully show similar interest in the Caribbean and Southern Africa. The plan is to also involve DGIS in this.

ACTIONS NEEDED BY IPO BY END-2002:

USAID – letter to Bill Sugrue requesting ?100k to supplement NSF grant
NOAA – report progress and letter to Candyce Clark (25k anticipated)
NL-Agencies – plan seminar to solicit funds for Core and Project activities

The Executive Committee needs to note current finances and discuss future funding.

Item 6: Role of anticipated NSF-funded position

The US-NSF have invited GECAFS to submit a proposal for US\$90k to cover the period 2003-04 (i.e. US\$45k per year). The fund can be spent on an internationally-recruited position, to be based in the GECAFS IPO in Wallingford and employed by NERC. As the grant would cover salary only, an equivalent amount will need to be secured from another source to cover the host institutional overhead and an operating budget. The grant would be routed through IGBP at no overhead cost. Assuming the grant will be effective from January 2003, it is unlikely the position would be filled before Easter.

NSF require the grant to “advance the science” rather than provide “general support” to the project.

It is suggested that the post should primarily be to promote and develop the vulnerability and scenarios work, thereby leaving the Executive Officer principally responsible for general project development and regional research projects.

Possible aspects:

To coordinate the development of GECAFS Vulnerability and Scenario Science and specifically to

Vulnerability science

Ensure effective links between “ICSECA” and “ESRC” projects

Prepare paper(s) on synthesis of key natural and socioeconomic elements

Plan and help run follow-up workshops and activities

Ensure effective incorporation of new vulnerability science into GECAFS regional projects

Scenarios science

Ensure effective links between GECAFS, MA and other projects developing integrated scenarios

Help develop integrated scenarios for GECAFS regional projects

Prepare paper(s) on scenario development combining key natural and socioeconomic elements

Plan and help run follow-up workshops and activities

The Executive Committee needs to agree key aspects of the job description for developing the proposal to NSF.

Item 8: Future Related Meetings

1. IGBP SC, Chile 20-23 January 2003: GECAFS representation

The annual IGBP Science Committee meeting will be held in Punta Arenas, Southern Chile. Dagoberto Arcos (who has now joined the IGBP SC, subject to final ICSU endorsement) and John Ingram will represent GECAFS at the meeting.

The Executive Committee needs to agree key aspects of the presentation, especially the relevance of GECAFS to IGBP Core Projects.

2. Punta Arenas Symposium, Chile 23-25; January 2003 (FOR INFORMATION)

Dagoberto Arcos and John Ingram have submitted an abstract for an oral presentation within Symposium Theme “Climate and Society” highlighting the Caribbean and Pacific Fisheries projects. Dagoberto Arcos will attend the meeting and deliver the paper.

3. Rice-Wheat Consortium Regional Technical Coordination Committee, Kathmandu 4-6 March 2003

GECAFS work in the IGP has thus far centred around collaboration with the RWC. Following GECAFS representation (John Ingram) in the 2002 meeting of the RWC RTCC, climate change and links to GECAFS are now formally included in the RWC Agenda. John Ingram has now been invited again to participate and make a presentation on project progress. This offers a good chance to make stronger links with ADB (who will be there).

Given however the possible confusion by RWC members on the collaborations with both GCTE Agroecology and GECAFS, it might be best to “down-play” the GECAFS angle; although this event gives an opportunity to clarify the relationships.

The Executive Committee needs to decide the desirability of participating in this meeting.

4. IGBP Science Conference, Banff; 19-24 June 2003 (FOR INFORMATION)

Objective: To develop the scientific agenda and implementation approaches for the next decade of Earth System research within IGBP. Much emphasis will be placed on integration across traditional boundaries and disciplines, and on interaction with colleagues from the World Climate Research Programme (WCRP), the International Human Dimensions Programme of Global Environmental Change (IHDP) and DIVERSITAS. The approach will build on concepts such as the GAIM Questions, which can be adapted and applied to a variety of environments. An advanced draft of the IGBP II Science Plan will be circulated before the Congress. Output from the Congress will form the basis of the IGBP II Implementation Strategy.

Clearly this meeting is principally an IGBP event and, although Chairs and Directors from each of the GECAFS Sponsoring Programmes will participate, it will not be a full joint event. The role that “Joint Projects” will play in the meeting, and the specific value in participating,

Item 8: Future Related Meetings

is therefore unclear. Following discussions between Peter Gregory, John Ingram and the IGBP Secretariat it is currently proposed that John Ingram should represent GECAFS and give a presentation to plenary (as is timetabled). This can be further discussed in the April 2003 Exec Meeting.

5. Possible joint w/s with HELP and Joint Water Project (mid-2003)

HELP is a joint UNESCO/WMO programme which is designed to establish a global network of catchments to improve the links between hydrology and the needs of society. It is a cross cutting programme of the UNESCO International Hydrological Programme and will contribute to the World Water Assessment Programme (WWAP), and the Hydrology and Water Resources Programme of WMO.

HELP management have proposed a Joint Meeting with GECAFS in about mid-2003. A possible area of collaboration would be the IGP, but, in that HELP operates at catchment level, there is an issue of spatial scale.

Meanwhile the Joint Water Project (JWP) is keen to collaborate with both HELP and GECAFS, and would like to consider joining a combined meeting.

The Executive Committee needs agree how to take forward interactions with HELP and JWP.

6. IUFoST Congress, 16-20 July 2003

The **IUFoST 12th World Congress of Food Science and Technology** will be held July 16-20, 2003 at the Hilton Hotel & Towers in Chicago, Illinois, USA. The theme for the Congress is "*Feeding the World - Opportunities without Boundaries*". The technical program for the Congress will consist of plenary lectures, discussion sessions related to the plenary lectures, symposia, roundtable discussions, student symposia, and posters. Virtually all of these will be directly related to the Congress theme.

GECAFS has been invited to present a GECAFS overview paper in a Special Session on Food Systems convened by Dr Joseph Hulse. Another invitee is Dr Werner Bauer, Senior Executive Vice-President of NESTEC, Vevey, Switzerland (the research division of Nestlé) to speak on the Sustainable Agriculture Initiative of Nestlé and Unilever. The Congress offers a chance to raise GEC awareness with "agribusiness" and explore possible avenues of corporate sponsorship. (Note: In June 2002 Peter Gregory asked Chairs and Directors for guidelines on Corporate Sponsorship, but none have been circulated thus far.)

The Executive Committee needs to respond to the invitation and, if positive, agree who might be able to deliver the paper.

Item 8: Future Related Meetings

7. HD Open Meeting, Montreal; 13-17 October 2003: Possible session on interdisciplinary research

Extract of email from Mike Brklacich to Maarit Thiem (cc John Ingram):

-----Original Message-----

From: Mike Brklacich [mailto:michael_brklacich@carleton.ca]

Sent: 23 September 2002 04:45

To: Maarit Thiem

Cc: PerryI@pac.dfo-mpo.gc.ca; jsii@ceh.ac.uk; mwoodrow@ccs.carleton.ca

Subject: Re: Open Meeting 2003 and IHDW 2004

2003 Open Meeting:

I will think more about plenary speakers and get back to you but I will offer a few suggestions about themes for plenary & parallel sessions.

Given the convergence of IHDP & IGBP research agendas in many different forms, a plenary presentation which specifically addresses what has worked, what hasn't worked & helps set an agenda for the next 5 or more years of co-operation would be useful (i.e. how will we establish research priorities, impacts of more joint ventures on the programmes & core projects, etc.)

Along these lines, I also suggest 2 themes for parallel sessions. One could focus on the different experiences of the 3 joint projects in establishing their research agendas, securing broader buy in from their respective communities, etc. The other could focus specifically on GEC & coastal communities. I have not read the LOICZ proposal yet but will do so this week. However, GLOBEC Focus 4 convened a scoping meeting last June that focused specifically on HD of GEC on coastal communities. This is of considerable interest to GECHS & GECAFS and I am confident we could organize a GLOBEC-GECHS-GECAFS (& maybe even LOICZ) session of 4 or 5 papers on this theme. I have copied this Ian Perry of GLOBEC and John at GECAFS to keep them in the loop.

The Executive Committee needs determine possible GECAFS role in HD Open Meeting.

Item 9: Any Other Business

9.1 Proposal for GECAFS Science Series

The IGP Consultants asked about publication possibilities for the IGP Information Needs paper. The idea of a GECAFS Science Series was suggested, to carry occasional papers specifically relating to the Project. Similar products are anticipated from other regional projects, and possibly also from other activities. (The IGP paper might also be condensed for submission to an international journal such as *Global Environmental Change* or *Environmental Science and Policy*.)

The Executive Committee needs to decide the desirability of launching a Science Series, and if so, the format, funding, editorial aspects and distribution.

9.2 GECAFS web site

The web site could carry password-protected information for SAC and Exec committee access only (e.g. Meeting Minutes).

The Executive Committee needs to decide the desirability of “confidential” material being posted on the web; and offer general comments for improving the site.