

## Resolutions for SCICOM Operational Groups

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**2009/2/SCICOM01** The **ICES Publications and Communications Group (PUBCOM)**, chaired by Pierre Pepin\*, Canada, will meet on two days in 2010 during the Annual Science Conference to monitor and advise on:

- a) Provide advice and oversight on all ICES publications and communications activities;
- b) In coordination with the ICES Secretariat, ensure that the ICES web site is overhauled in order to better serve ICES and the broader marine science community;
- c) Finalize and implement the public outreach component of the PUBCOM's strategy;
- d) Further develop those ICES publications media that serve the aims of the ICES Science Plan.

PUBCOM will report to the SCICOM and ACOM at the Annual Science Conference.

### Supporting Information

Priority:	This work is of high priority for the development and implementation of ICES Strategic Plan
Scientific justification and relation to action plan:	<p><b>a)</b> requests are routinely directed to Chair regarding decisions / comments about ICES publication activities. These will be summarised and reviewed by PUBCOM.</p> <p><b>b)</b> monitoring of activities and dealing with issues of publication policy as they arise. All Internet based activities will be considered in the same way as other ICES publication activities to enhance integration.</p> <p><b>c)</b> to produce advice on publications policy for all ICES publication-related activities.</p> <p><b>d)</b> in order that recommendations for prioritisation of items for publications can be made in full knowledge of cost implications of different publication options.</p> <p><b>e)</b> to provide advice on the perceived view of the community of ICES publications and access their benefit.</p> <p><b>f)</b> to provide an action plan for public outreach for scientific and advisory activities of ICES</p>
Resource requirements:	Requires significant input from the Secretariat. Secretariat are requested to provide relevant reports for all ToRs.
Participants:	The Editor-in-Chief of IJMS, and the ICES Executive Editor and Communication Officer should attend at ICES expense. PUBCOM members. OUP will be invited to be represented.
Secretariat facilities:	None
Financial:	For Chair to attend mid-term SCICOM meeting.
Linkages to advisory committees:	Close. Through membership of SCICOM.
Linkages to other committees or groups:	Close. Through membership of SCICOM.
Linkages to other organizations:	ICES Journal Publisher.

**2009/2/SCICOM02** A Review Group of the Position Paper on Climate Change (RGPPCC), chaired by Pierre Pepin\*, Canada, will meet by correspondence between January and May 2010 to:

- a) Identify and distributed the draft document to external reviewers with relevant expertise and/or interest for each section of the draft document to provide a *technical (scientific)* assessment of the material;
- b) Synthesize the comments of the external reviews, edit the document with the Executive Editor to include the recommendations, and identify sections of the documents that require special attention;
- c) Distribute the document with all comments to SCICOM members who will be asked to provide a review of *policy matters* for the entire draft document;
- d) Coordinate the final discussion of required revisions to take place during a half day session at SCICOM meeting in May 2010.

The Review Group will report to the SCICOM in May 2010.

### Supporting Information

Priority:	This work is of high priority for the development and implementation of ICES Strategic Plan
Scientific justification and relation to action plan:	In the background document for the Science Strategic Initiative on Climate Change (SSICC) (former SGCC) it states that the first task of the group would be to “prepare a white paper detailing current knowledge about the effects of climate change on the physical oceanographic properties of the ICES ocean areas and lower and higher level trophic responses to change, and directions that research and education should proceed in order to better understand and anticipate climate change effects on the marine environment”. Council agreed to convene the group and “encouraged the Chair to broaden the scope to encompass basin scale considerations that might inter alia feed into IPCC processes” reporting to ConC and Bureau. At its February 2009 meeting, Bureau directed SCICOM to assume the governance of the climate change project. SSICC’s responsibility is to prepare the draft document, which the group proposes should serve as the <i>official ICES view</i> on climate change. Publication requires SCICOM approval because the document should represent the <i>consensus view</i> of Member Nations. The Review Group’s activity will provide the coordination mechanism for SciCom to evaluate the technical and policy aspects of the draft report.
Resource requirements:	Requires significant input from the Secretariat. Secretariat are requested to provide all relevant for all ToRs.
Participants:	Chair of PUBCOM, SSG Chairs, and members of SciCom and the Chair of ACom
Secretariat facilities:	None
Financial:	Possibly for the Chair to work with the Executive Editor to synthesize comments and recommendations from the external reviewers .
Linkages to advisory committees:	Close. Through membership of SciCom.
Linkages to other committees or groups:	Close. Through membership of SciCom.

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Linkages to other organizations: –

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**2009/2/SCICOM03** The **ICES Training Group** [ITG] (Chair: Gerd Kraus\*, Germany) will conduct video conferences on demand and work by correspondence as required to ensure successful implementation of the ICES training system. During the Annual Science Conference 2010 a face to face meeting will be held if needed to discuss important issues such as:

- a) ICES Training courses run during the first half of 2010 (participants, course reports including feedback from instructors and participants, individual course costs, evaluation of course contents)
- b) Plans for courses under ICES Training Programme 2010/2011
- c) Economic evaluation of ICES Training and funding
- d) Proposals for new courses under ICES Training and other training activities (e.g. training opportunities offered to ICES by other organisations)
- e) Other matters

ITG will report to the SCICOM and ACOM at the Annual Science Conference.

## Supporting Information

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Priority:	ICES Training Programme has high priority. The objective is to help build capacity in ICES and especially to support the scientists involved in the advisory process, ICES offers training courses by high-profile scientists and instructors. ICES Training Programme is supported by SIF.
Scientific justification	<p>At its meeting in October 2008 the ICES Bureau approved an action plan for the development of a training programme in ICES.</p> <p>ICES needs to ensure that scientists who do work related to the advisory process, have the necessary skills. ICES has an obligation to ensure that training is available as needed.</p> <p>The overall objectives of ICES involvement in training is quality assurance in the advisory process. Specifically the training program should:</p> <ul style="list-style-type: none"><li>• ensure that participants in WGs and other parts of the advisory process have the skill needed to deliver high quality advice,</li><li>• ensure a common understanding of ICES advisory practise,</li><li>• disseminate insight throughout and outside the ICES community,</li></ul> <p>intensify cooperation with expertise from other organizations to bring in new disciplines and perspectives in ICES science and advice.</p>
Resource requirements:	Requires significant input from the Secretariat.
Participants:	Members of the ICES Training Group and the ICES Secretariat Coordinator for Training
Secretariat facilities:	None
Financial:	

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Linkages to advisory committees:	Close. Joint SCICOM-ACOM meetings.
Linkages to other committees or groups:	SCICOM Steering Groups (SSGEF, SSGHIE, SSGSUE, SSGRSP, SSGESST)
Linkages to other organizations:	Partnership with ICCAT on the training course: "Management Strategy Evaluation (including FLR)"

**2009/2/SCICOM04**      **The Working Group on Data and Information Management (WGDIM)** chaired by Helge Sagen, Norway, and Richard Ayers, UK, will meet at ICES Headquarters in Copenhagen, Denmark, 25–27 May 2010 to address:

- a) **Data accessibility** – Provide advice on the functionality of the new integrated ICES data portal throughout the year. Deliverable: Review of data portal, recommendations for enhancements. (**Responsible focal point:** Chris Zimmerman)
- b) **Quality, interoperability and transparency** - Identify and resolve issues related to the use of quality flags in ICES Data Management, specifically in the areas of Biological and Chemical data, with particular reference to existing international quality flag systems or those that are envisioned as needed (e.g. SeaDataNet, EMODNET, HELCOM and OSPAR etc...) Deliverable: Guideline for development/adoption of a quality flag system suitable for application across ICES data holdings, including actions to harmonise across existing systems. (**Responsible focal point:** Gaynor Evans)
- c) **ICES Data Strategy** – Draft the 2011–2015 Data Strategy in line with ICES Strategic Plan 2009 – 2013. Identify emerging technologies that ICES Data Centre, WGDIM members and the wider ICES Community should be aware of (GIS metadata). Deliverable: Draft data strategy document, Report on emerging technologies and possible applications with ICES. (**Responsible focal point:** Richard Ayers / Helge Sagen)
- d) **VMS** – Review actions resulting from recommendations of WGDIM 2009, review progress of DG-MARE/2008/10 Lot 2 project and other developments in the VMS arena. Deliverable: Report on actions, Lot 2 progress, proposals for further work; (**Responsible focal point:** Phil Kunzlik)
- e) **Assess progress with, and update, user engagement plan** – Review the success of the ICES Data Centre Live at the ICES ASC, undertake planning of agreed workshops (e.g. mackerel egg) and propose new workshops or activities. Deliverable: Outcomes from ASC 2009, updated user plan with follow up actions, detailed workplan for workshops, further proposals. (**Responsible focal point:** Pekka Alenius)
- f) **DATRAS** – Provide feedback, guidance and advice on the ICES DATRAS system. Specifically to include liaison with data submitters and data consumers. This work will be completed inter-sessionally with progress reported at WGDIM annual meeting.

WGDIM will report by 1 July 2010 for the attention of SCICOM and ACOM.

## Supporting information

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Priority	<p>The Group provides ICES with solicited and unsolicited advice on all aspects of data management including technical, data policy and data strategy and user oriented guidance. This Group flies the flag for ICES in setting standards for global databases. It also provides an important interface for oceanographic, environmental, and fisheries data management in ICES, and promotes good data management practice.</p>
Scientific justification	<p>a) There are gaps in the ecosystem assessments apparently caused by lack of data. However, more data are likely available for use than currently perceived either inside the ICES system or externally. Thus, groups developing the advice may not be aware of the existence of relevant data sets either because of a lack of communication or the fact that data are not being delivered on a timely basis. In addition, those environmental assessments that are now being produced by some ICES working groups are not being effectively utilized by other groups making assessments where environmental data should be considered. The integrated ICES data portal will be reviewed with suggestions for improvements and enhancements.</p> <p>b) More effort will be put into making it possible to track the data used to make an assessments. If the external data are being used to formulate advice, it is often difficult to later re-establish the data sets and thus the basis for the advice. Thus the group should provide advice as to how improve this reporting. To maximize interoperability data quality must be known. It is important to evaluate the appropriateness of use of data for specific applications on the basis on data quality. Coordinate work with relevant working groups or projects like SeaDataNet, ECOOP, etc. on standards for metadata, data/data structures and vocabularies. As there is limited resource available it is essential to avoid duplication of work on data management. It is thus important to engage in collaboration with international bodies and programmes especially to ensure the inheritance after the 4th International Polar year.</p> <p>c) The ICES Data Strategy 2011–2015 will be drafted in line with the ICES Strategic Plan 2009- 2013. New developmenst in webGIS and GIS in general needs attention to keep the ICES Data Centre an attractive data portal.</p> <p>d) Litle effort has been put into VMS data data management throughtout the years in the context of the working group. Best data management practices needs to be adopted by the originators of such data. Restrictions in data access will have to be dealt with. In context with the ongoing tender under the European Commission open call for tenders (No MARE/2008/10 - Studies for carrying out the common fisheries policy) lot 2, the group should monitor and review the work to ensure it benefits the ICES community.</p> <p>e) It is essential to ensure needs of users are met: there are a wide range of users for ICES data and products from HELCOM/OSPAR to WGs/SGs and individual scientists. WGDIM should have a key role to act as a mediator between Users/WGs and the Data Centre to prioritise activities, to ensure appropriate experts are available and to give reasons for priorities. Proper engagement with users will allow data submission problems to be resolved and integrated data products and thus advice can be provided in an appropriate form.</p> <p>f) The formation of a DATRAS User Advisory Panel was requested by SGESST at ASC 2009. – Extract from request “We therefore propose to identify a DATRAS survey user group consisting of the chairs of: PGNEAC, IBTSWG, WGBIFS, WGMEGS, PGEGBS, WGBEAM and a member of the ICES Data Centre. This group might be extended with chairs of other working groups uploading their</p>

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survey data into DATRAS. The chairs will be responsible to find the right person to handle specific topics. We recommend that this group will be coordinated by WGDIM. The group does not have to meet, but will be used as an advisory board for the ICES Data Centre and the survey expert groups by correspondence.”

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Resource requirements	None
Participants	The Group is expected to be attended by some 30–35 members and guests with half of the members from each of the two categories , data managers and data users
Secretariat facilities	Meeting facilities.
Financial	The Head of Data Centre should attend these meetings together with other employees at the Data Centre.
Linkages to advisory committees	ACOM
Linkages to other committees or groups	
Linkages to other organizations	There are linkages with relevant international bodies and programmes like PICES, IOC/IODE, GOOS, SeaDatamet, IPY, etc., with emphasis on IOC and its Working Committee on International Oceanographic Data and Information Exchange (IODE).

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## SCICOM Steering Group ToRs, Workplans and Members

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**2009/2/SCICOM05** The **SCICOM Steering Group on Ecosystems Function (SSGEF)** will work by correspondence and meet twice during the 2010 ASC to:

- a) Organize topical reporting sessions at the 2010 ASC to:
  - i) extract the highlights of the results of expert groups;
  - ii) integrate the results of expert groups on *“Individual, population and community level growth, feeding and reproduction, The quality of habitats and the threats to them and Indicators of ecosystem health”*;
- b) Make future plans for integrating expert group results;
- c) Develop further the Strategic Initiative on Climate Change after SSI-CC has published the white paper;
- d) Review the SCICOM/ACOM document on "Prediction of Advisory Needs" and elaborate science objectives to meet the challenges of the new legal framework on ecosystem management

SSGEF will report by 30 September 2010 for the attention of SCICOM.

### Supporting Information

Priority	The SSG has a mandate from SCICOM to steer expert groups science to fulfill ICES Science Plan
Scientific Justification:	<p>The work planned corresponds to actions meeting the mandate assigned to the SSG.</p> <p>a) and b) meet the objective of delivering the Science Plan as well as stimulating collaboration and communication</p> <p>c) and d) meet the objective of elaborating a 5 year plan updated annually. In addition d) further develops science directions to meet future advisory needs.</p>
Resource Requirements	Meeting room
Participants	SCICOM members, Chairs of EGs under SSGEF remit and participants to the ASC.
Secretariat Facilities	support secretary
Financial	None specific
Linkages to Advisory Committees	ACOM
Linkages to other Committees or Groups	All other SSGs
Linkages to other Organisations:	None specific

## **Membership**

All EG chairs under SSGEF are members. A core group assists the Chair. The core group members are:

Antonio Bode (SCICOM, Spain)

Daniel Duplisea (SCICOM, Canada)

Einar Svendsen (SCICOM, Norway)

Glen Nolan (WGOH, Chair)

Graham Pierce (WGCEPH, Chair)

Niall O'Maoileidigh (SCICOM, Ireland)

Olafur Asthorsson (SCICOM, Iceland)

Pierre Petitgas (SSGEF, Chair)

Ted Potter (WGRECORDS, Chair)

## **Workplan / Schedule of actions / Milestones**

- Regular exchanges within the core group (email)
- ToRs a) and b) to be developed as EG reports are finalised
- ToR c) to be developed in collaboration with SSI-CC Chairs: before and after SSI-CC meeting in January
- ToR d) to be developed after the relevant document has been delivered to SCICOM, expectation is after the May meeting

**2009/2/SCICOM06** The **SCICOM Steering Group on Human Interactions on Ecosystems (SSGHIE)** will work by correspondence and meet twice during the 2010 ASC to:

- a) Organize topical reporting sessions at the 2010 ASC to:
  - i) extract the highlights of the results of expert groups;
  - ii) integrate the results of expert groups on priority topics;
  - iii) make future plans for integrating expert group results;
  - iv) further develop and coordinate the activities of the Strategic Initiative on Area-based Science and Management (SIASM) (pending ACOM/SCICOM approval)
- b) Provide guidance to constituent EGs to ensure the quality of their work and its relevance to the Science Plan.
- c) Identify gaps and overlaps in the expert group base and encourage consolidation and formation of new EGs as appropriate.
- d) Evaluate EG reports and scientific products and report to SCICOM on significant issues and/or products.
- e) Stimulate cooperation and coordination among scientific disciplines through:
  - v) working with SCICOM and the other Science Steering Groups to ensure communication among Steering Groups and their constituent EGs
  - vi) drawing from Steering Group and EG membership to establish and nurture collaborations within and outside the ICES community
  - vii) encouraging participation by academics and others who have not traditionally been involved in the work of ICES.
- f) Develop a multi-year work plan and update annually.
- g) Organize two sessions during the 2010 ASC, one for reporting of EG Scientific issued and development, and one session with structural information to, and input from, ASC participants
- h) Provide guidance for Strategic Initiative on Area-based Science and Management (SIASM) (pending ACOM/SCICOM approval)
- i) Start planning for workshops and theme sessions at ASC to address Science Plan issues relevant to SSGHIE

SSGHIE will report by 30 September 2010 for the attention of SCICOM.

## Supporting Information

Priority	The SSG has a mandate from SCICOM to assign and coordinate EG group science in support of the ICES Science Plan. This includes assignment of ToRs, steering Science Strategic Initiatives, reporting on ToRs and other recommendations to SCICOM.
Scientific Justification:	<p>The work planned corresponds to actions meeting the mandate assigned to the SSG.</p> <p>a, b, c, d, and e) support objectives of the ICES Science Plan including stimulation of collaboration with academic partners.</p> <p>c, d and f) support the objective of elaborating a 5 year plan updated annually.</p> <p>d) develops the direction of ICES science to respond to emerging scientific issues and anticipate future advisory needs.</p>
Resource Requirements	Meeting rooms at the ASC; teleconferencing and videoconferencing support

Participants	SCICOM members, SSGHIE EG chairs or their delegates, key scientists in SSGHIE, participants at the ASC.
Secretariat Facilities	Assistance for coordinating conferences
Financial	None specifically for SSGHIE but it is noted that a separate resolution for creation and funding support for the SICZSP
Linkages to Advisory Committees	ACOM
Linkages to other Committees or Groups	All other SSGs, diverse EGs particularly as relevant for the SICZSP
Linkages to other Organisations	None specific

## Membership

All chairs under SSGHIE are members. SCICOM can appoint members to SSGHIE. Ad-hoc membership is by invitation from the chair. Current membership is:

Erik Olsen (Chair SSGHIE)

Pauline Kamermans (Chair WGMASC)

Chris McKindsey (Chair WGEIM)

Simon Jones (Co-Chair WGPDMO)

Sharon MacLean (Co-Chair WGPDMO)

Beatriz Morales-Nin (Chair WGICZM)

Evin McGovern (Co-Chair MCWG)

Karin Vorkamp (Co-Chair MCWG)

Lucia Vinas (Co-Chair WGMS)

Patrick Roose (Co-Chair WGMS)

Geir Dahle (Chair WGAGFM)

John Thain (Chair WGBEC)

Gerry Sutton (Chair WGEXT)

Joe Silke (Chair WGHABD)

Manuel Barange (Co-Chair WGFCCIFS)

Harald Loeng (Co-Chair WGFCCIFS)

Anne B. Hollowed (Co-Chair WGFCCIFS)

Suam Kim (Co-Chair WGFCCIFS)

Ian M. Davies (Chair SGIMC)

Carlos Vale (Portugal);

Maurice Heral (France);

Kris Cooreman (Belgium);

Dick Vethaak (Netherlands - alternate)

## Roadmap for 2010

- A key task for SSGHIE will be to establish an efficient yet inclusive way to work. At the ASC we proposed having the steering group open to all EG chairs and experts appointed by Chairs. SSGHIE meetings at ASC should be public, while intersessional meetings will be for members or by invitation only. To have a more efficient organization for urgent matters, it was suggested that 5 of the EG chairs, the SSI chair and SSGHI chair will make up a Core group responsible of overseeing how the EGs follow the ToRs and work in relation to the ICES Science Plan..
- Intersessional meetings of SSGHIE will in 2010 be conducted by teleconference and videoconference.
- SSGHIE will have a face-to-face public meeting at ASC in Nantes 2010.
- Planning and implementation of a Science Strategic Initiative on Coastal and Marine Spatial Planning (SSICMSP); see below.

**2009/2/SCICOM07**      **The SCICOM Steering Group on Regional Sea Programmes (SSGRSP)**  
will work by correspondence, arrange two WebEx meetings and meet twice during the 2010 ASC to:

#### **General ToRs**

- a) Provide guidance to constituent EGs to ensure relevance to the Science Plan;
- b) Identify gaps and overlaps in the EG base, and consolidate and form new EGs as appropriate;
- c) Review the scientific products delivered by EGs to ensure the maintenance of appropriate quality standards;
- d) Advise SCICOM on the form and substance of the ASC, symposia and workshops;
- e) Ensure communication among Steering Groups and their constituent EGs;
- f) Establish and nurture collaborations within and outside the ICES community.

#### **Specific ToRs**

- g) Organize two sessions at the 2010 ASC: one for reporting of EGs and development, and one session with structural information to, and input from, ASC participants;
- h) Start planning for workshop that will create guidelines, based on experiences from individual programmes, for operational benchmark integrated ecosystem assessments at regional sea level;
- i) Identify areas and issues relevant for incorporation in Regional Sea Programmes;
- j) Start developing programmes for Bay of Biscay/IBISROOS and NW Atlantic;
- k) Create an overview of ICES cross-cutting EGs with relation to SSGRSP.

SSGRSP will report by 30 September 2010 for the attention of SCICOM.

### **Supporting Information**

Priority	The SSG has a mandate from SCICOM to steer expert groups science to fulfill ICES Science Plan
Scientific Justification:	<p>The work planned corresponds to actions meeting the mandate assigned to the SSG.</p> <p>a) and b) meet the objective of delivering the Science Plan as well as stimulating collaboration and communication</p> <p>c) and d) meet the objective of elaborating a 5 year plan updated annually. In addition d) further develops science directions to meet future advisory needs.</p>
Resource Requirements	Meeting room
Participants	SCICOM members, Chairs of EGs under SSGEF remit and participants to the ASC.
Secretariat Facilities	support secretary
Financial	None specific
Linkages to Advisory Committees	ACOM
Linkages to other Committees or Groups	All other SSGs
Linkages to other Organisations:	None specific

## **Work Plan 2010–2011**

1. Meetings of the Integrated Assessment Expert Groups as milestones. Web Ex meetings will follow the schedule to incorporate results in SSGRSP. (SGRSGP). WGHAME and WGIAB meetings will be observed by ACOM member (Carl O'Brien)
2. Participant from SSGRSP in mixed demersal fishery North Sea workshop in November. (North Sea Programme)
3. Meeting with BONUS representatives for discussing BONUS contributions and co-operation with SGRSP, January 2010 (Baltic Sea Programme)
4. 1<sup>st</sup> Workshop on preparing guidelines for Regional Ecosystem Benchmark Assessments (October 2010). Resulting in Co-operative Research report.
  - a. At workshop compare regional approaches and methods:
  - b. What methods do we use?
  - c. What models are used?
  - d. What components are considered and are important?
  - e. What outputs are generated?
  - f. How are the outputs used?
  - g. Preparing guidance as an output – ICES CRR.
5. Redefining ToR for Regional Seas Programme Expert Groups and create a new Expert Group with the purpose of providing a forum for the development of methods applicable across all regions. Other expert groups will have an operational focus for doing the assessments necessary to feed into the regional sea ecosystem benchmarks.
6. 2nd workshop on with an operational focus with internal customers: showcase Regional Ecosystem Benchmark Assessments to ICES groups based upon North Sea and Baltic Sea examples, building the bridge between SICOM and ACOM in terms of operational delivery of Ecosystem benchmarks on a regional sea basis. This to be in association with 2011 ICES ASC.
7. 3rd workshop including external customers/stakeholders

## **SSGRPS Members**

Yvonne Walther (Chair SSGRSP)

Georgs Kornilovs (SCICOM, Latvia)

Dariusz Fey (SCICOM, Poland)

Kari Lehtonen (Chair SGEH)

Bärbel Müller-Karulis (Chair SGPROD)

Steve Cadrin (WGNARS)

Christian Möllmann (Chair WGIAB)

Andrew Kenny (Chair WGHAME)

Stig Pedersen (Chair SGBALANST)

Anna Gårdmark (Chair WGIAB)

Thorsten Blenckner (Chair WGIAB)

Piotr Margonski (Chair WKSECRET)

Mark Dickey-Collas (Chair WKANSARNS)

**2009/2/SCICOM08** The **SCICOM Steering Group on Ecosystem Surveys Science and Technology (SSGESST)** will work by correspondence, WebEx meetings and direct meetings during the 2010 ASC to:

**General ToRs (for all SSGs)**

- a) Provide guidance to constituent EGs to ensure relevance to the Science Plan;
- b) Identify gaps and overlaps in the EG base, and consolidate and form new EGs as appropriate;
- c) Review the scientific products delivered by EGs to ensure the maintenance of appropriate quality standards;
- d) Advise SCICOM on the form and substance of the ASC, symposia and workshops;
- e) Ensure communication among Steering Groups and their constituent EGs;
- f) Establish and nurture collaborations within and outside the ICES community;

**Overarching ToRs for SSGESST (draft)**

- g) Maintain, standardize and consolidate assessment surveys as necessary and appropriate;
- h) Encourage and support creativity and innovation which focuses on applications of advanced technologies for observing, monitoring and surveying marine ecosystems;
- i) Improve and advance existing survey capabilities to develop and implement integrated surveys and monitoring systems in support of the EAM through fishing gear technology innovations and innovative technological approaches; and
- j) Evaluate and mitigate the impacts of fishing on marine ecosystems through innovative conservation engineering, with a particular focus on bycatch reduction and development of fishing and survey gears which minimise fuel consumption and habitat damage;

**Specific ToRs for 2010**

- k) Organize two SSG meetings which will take place during the 2010 ASC to discuss EG accomplishments and plans for 2011, with a focus on the overarching ToRs specified above;
- l) Review progress relative to ToR g, establish one or more Study Groups as necessary to support this ToR;
- m) Review reports of WGFAST and EGs reporting to WGFAST relative to ToR h; develop new ToRs for WGFAST and take other action as necessary in support of this ToR;
- n) Receive reports from WGISUR and WKCATDAT relative to ToR i; develop new ToRs for WGISUR and take other action as necessary in support of this ToR;
- o) Review reports of WGFTFB and EGs reporting to WGFTFB relative to ToR j; develop new ToRs for WGFTFB and take other action as necessary in support of this ToR;

SSGESST will report by 30 September 2010 for the attention of SCICOM.

## Supporting Information

Priority	The SSG has a mandate from SCICOM to steer expert groups science to fulfill ICES Science Plan
Scientific Justification:	<p>The work planned corresponds to actions meeting the mandate assigned to the SSG.</p> <p>a) and b) meet the objective of delivering the Science Plan as well as stimulating collaboration and communication</p> <p>c) and d) meet the objective of elaborating a 5 year plan updated annually. In addition d) further develops science directions to meet future advisory needs.</p>
Resource Requirements	Meeting room
Participants	SCICOM members, Chairs of EGs under SSGEF remit and participants to the ASC.
Secretariat Facilities	Support secretary
Financial	None specific
Linkages to Advisory Committees	ACOM
Linkages to other Committees or Groups	All other SSGs
Linkages to other Organisations:	None specific

### Work Plan 2010–2011

1. WebEx meetings will take place during the first quarter (January - March) and third quarter (June - August) of each year
2. Specific ToRs defined above will be addressed during these WebEx conferences and by correspondence during the year
3. Work plan will be further developed during the year
4. Key dates include meetings of WGISUR, WGFAST, WGFTFB, WKCATDAT and all other EGs and Workshops reporting to SSGESST

### SSGESST Members

Bill Karp, USA (SSGESST Chair)

Oleg Lapshin, Russia (SCICOM)

Rudy Kloser, Australia (WGFAST - Working Group on Fisheries Acoustic Science & Technology)

Dominic Rihan, Ireland (WGFTFB - ICES - FAO Working Group on Fishing Technology & Fish Behaviour)

Cindy van Damme, The Netherlands (WGEGGS - Working Group on North Sea Cod and Plaice Egg Surveys in the North Sea)

Jens Ulleweit, Germany (WGMEGS - Working Group on Mackerel and Horse Mackerel Egg Surveys)

Leonie Dransfeld, Ireland (WGNEACS - Working Group on the North-east Atlantic continental slope survey)

Ingeborg de Boois, The Netherlands (WGBEAM - Working Group on Beam Trawl Surveys)

Karl-Johan Stæhr, Danmark (WGIPS - Working Group of International Pelagic Surveys)

Henrik Degel, Denmark (WGBIFS - Baltic International Fish Survey Working Group)

Dave Reid, Ireland (WGISUR - Working Group on Integrating Surveys for the Ecosystem Approach)

Andres Uriarte, Spain (WGACEGG - Working Group on Acoustic and Egg Surveys for Sardine and Anchovy in ICES areas VIII and IX)

Jonathan Hare, USA (IGWG - ICES GOOS Working Group)

Benjamin Planque, Norway, K. Kristinsson, Iceland (WGRS - Working Group on Redfish Surveys)

Francisco Velasco, Spain (IBTSWG - International Bottom Trawl Survey Working Group)

Ciaran O'Donnell, Ireland (WGNAPES - Working Group on Northeast Atlantic Pelagic Ecosystem Surveys)

(Dave Reid, Ireland), Norman Graham, Ireland (SGEM - Study Group on combining gear parameters into effort and capacity metrics)

Julia Parrish, USA, and François Gerlotto France (SGFARV - Study Group on Fish Avoidance of Research Vessels)

Bent Hermann, Denmark, Waldemar Moderhak, Poland (SGTCOD - Study Group on Turned 90° Codend Selectivity, focusing on Baltic Cod Selectivity)

Ewen Bell, UK (SGNEPS - Study Group on Nephrops Surveys)

David Demer, USA (SGCAL - Study Group on Calibration of Acoustic Instruments in Fisheries Science)

(Cindy van Damme, The Netherlands) (SGSIPS - Study Group on Standards in Ichthyoplankton Surveys)

**2009/2/SCICOM09** The **SCICOM Steering Group on Sustainable Use of the Ecosystem (SSGSUE)** will work by correspondence, WebEx and meet twice during the 2010 ASC to:

**General ToRs**

- a) Provide guidance to constituent EGs to ensure relevance to the Science Plan;
- b) Identify gaps and overlaps in the EG base, and consolidate and form new EGs as appropriate;
- c) Review the scientific products delivered by EGs to ensure the maintenance of appropriate quality standards;
- d) Advise SCICOM on the form and substance of the ASC, symposia and workshops;
- e) Ensure communication among Steering Groups and their constituent EGs;
- f) Establish and nurture collaborations within and outside the ICES community.

**Specific ToRs**

- g) Produce with ACOM the ICES initiative on world stock assessment methods.
- h) Advise the ICES Council group on “ICES socio-economic science and advice” and if relevant initiate new groups/approaches to begin the new approach
- i) Increase integration across expert groups under SSGSUE
- j) Review initiatives and produce a comment paper on operational modelling
- k) Identify areas and issues relevant for interaction across Steering Groups

SSGSUE will report by 30 September 2010 for the attention of SCICOM.

**Supporting Information**

Priority	The SSG has a mandate from SCICOM to steer expert groups science to fulfill ICES Science Plan
Scientific Justification:	The work planned corresponds to actions meeting the mandate assigned to the SSG.  a) and b) meet the objective of delivering the Science Plan as well as stimulating collaboration and communication  c) and d) meet the objective of elaborating a 5 year plan updated annually. In addition d) further develops science directions to meet future advisory needs.
Resource Requirements	Meeting room
Participants	SCICOM members, Chairs of EGs under SSGEF remit and participants to the ASC.
Secretariat Facilities	support secretary
Financial	None specific
Linkages to Advisory Committees	ACOM
Linkages to other Committees or Groups	All other SSGs

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Linkages to other Organisations:	None specific
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## Membership

All the chairs of expert groups that operate under SSGSUE are members, plus there is a core group of scientists/experts that contribute to the work of SSGSUE:

André Forest (IFREMER, France)

Begoña Santos (Instituto Espanol de Oceanografia, Spain)

Carmen Fernández (IEO, Spain)

Ciaran Kelly (MI, Ireland)

Clara Ulrich (DTU-Aqua Technical University of Denmark, Denmark)

Dorothy J.Dankel (Institute of Marine Research, Norway)

Doug Wilson (Aalborg University, Denmark)

Fred Serchuk (NOAA, NMFS, Northeast Fisheries Science Center, United States)

Gerd Kraus (vTI-Institute of Sea Fisheries, Germany)

Gerjan Piet (IMARES, Netherlands)

Ghislain Chouinard (Fisheries and Oceans, Canada)

Jake Rice (Fisheries and Oceans, Canada)

Jesper Boje (DTU-Aqua Technical University of Denmark, Denmark)

John Pinnegar (Cefas, United Kingdom)

Keith Brander (DTU Aqua, Denmark)

Kjellrun Hiishauge (IMR, Norway)

Liz Brookes (NOAA, USA)

Luc van Hoof (IMARES, The Netherlands)

Mark Dickey-Collas (Chair, Wageningen IMARES, Netherlands)

Mårten Åström (Swedish Board of Fisheries, Sweden)

Martin Pastoors (Wageningen UR Centre for Marine Policy, Netherlands)

Michalel Armstrong (CEFAS, United Kingdom)

Rüdiger Voss (University of Kiel, Germany)

Sakari Kuikka (University of Helsinki, Finland)

Tara Marshall (University of Aberdeen, UK)

Mark Tasker (ACOM Vice Chair, UK)

## Workplan / Schedule of actions / Milestones

- Regular exchanges within the core group (email)
- Plan for initiative on Stock assessment - January to March
- ICES Council group on “ICES socio-economic science and advice” throughout early 2010, with final comments by ASC
- Working Session at ASC on review initiatives and produce a comment paper on operational modelling