

Minutes

Subject:	User Day during the geoland forum
Date:	09.02.2006
Location:	Vienna, Austria
Presence:	See list of participants at the end of this document
Copies:	

1. JOINT USER SESSION (CO-CHAIRS: S. KLEESCHULTE (ETC/TE), S. OLOVSSON (METRIA))

Presentation of scope (independent user platform, not directly linked to any of the GMES projects) and background for a user group on land monitoring.

Discussion and agreement:

- Participants acknowledge the need for such a project independent user group (driven by user needs, and not by service provider needs).
- Request to EEA to ask member states for nomination of group members. Need for official endorsement by EEA, ESA and EC. (a group able to conclude on common ideas will be the desired one)
- Stimulation of national networks through the need to get organised. Then, these national networks can initiate the discussion within each country.
- Identify different kinds of users: existing networks, nominated representatives of the member states, research groups.
- Capability of joining in this user group also other aspects from industry or research.
- Need for financial support to sustain the activity (one possibility is to link this user group meeting to already planned meetings: geoland meetings, ESA collocation user meetings, meetings hold in the same participant organisation, etc.).
- Need to start now.

Proposals / suggestions to the questions raised:

- Proposal for co-chairs of this group: the current chairs of the Forest Monitoring project could be considered
- Establish a link between the ESPON project and this user group (via Peter Melby)
- The knowledge acquired and the decisions taken should be spread to a broader group

Possible action lines:

- Support discussion on fast track service (2006/7) – maybe to early for user group.
- Discussion on pilot service (2008+)
- Role of GMES in the member states.

Next steps towards the implementation of the user group will be the request for nomination of members by countries via the EEA. This step will be important for the official recognition of the group.

In addition to nominations from the EEA (EIONET members) there is a need to consider how to integrate other organisations and stakeholders into the user group (e.g. international commissions, research organisations, NGOs, etc.) in order to avoid duplication of work.

Consider organising a nominated meeting, as the following step of the user group.

2. FUTURE OF EUROPEAN LAND MONITORING

Discussion of the fast track service on land cover (2006/7) in combination with a classical CLC update. Request to GMES to provide specific high resolution layers, e.g. urban, complex classes, wetlands, semi-natural areas, water bodies. Take into account LUCAS data, MERIS data and the Member States knowledge. The proposal should be in line with the INSPIRE initiatives and fulfil the regional, national and European needs, if possible.

Information to the participants that the FTSP proposal, as discussed during the EIONET meeting in Copenhagen on 31 January 2006, was not accepted, mainly due:

- Reduced number of classes (16 out of 44)
- The selected classes are not selected on the basis of user needs, but for technical reasons. The balance between thematic content and spatial detail is lost.
- Land cover change monitoring with previous CLC inventories not possible.
- Limited involvement of national authorities during the production process.
- High costs

Positive aspects of the proposal were:

- Political support for implementation of a GMES fast track service precursor
- First European wide high resolution (1-5 ha) land cover data
- Fast delivery

Following the EIONET recommendations, the classical CLC approach should be combined with a parallel production of additional high resolution land cover data (1-5 ha) for a selected number of classes.

The discussion in the session confirmed the interest in such high resolution information. Priority was given to a focus on an urban layer and the composition of CLC complex classes, acknowledging that the final decision will be taken depending on available budget.

A first proposal for a high-resolution urban layer was discussed and agreed:

- 10 ha urban layer, full coverage, CLC level II classes with additional attribute on percentage of land occupation by that class within the polygon;
- 1 ha urban area for defined urban areas (to be defined: cities > 100.000 inhabitants (426) OR urban audit cities (258), CLC level II classes with

additional attribute on percentage of land occupation by that class within the polygon.

The user community (EEA to lead) will define the definitive terms of reference for the additional layers. GMES to assess feasibility and cost.

It should be considered to which extend the existing methodologies could be incorporated into the whole process, having in mind the existing time constraints for the FTS product. GMES can demonstrate its added value using multitemporal data.

For 2008 onwards, there are some issues to be taken into account for the definition of the pilot service on land:

- Final number of land cover classes
- Required and feasible thematic accuracy
- Frequency of update
- Minimum Mapping Unit (MMU)

If the database should be harmonised geometrically and semantically, the use of an object oriented data model (ODM) would be the most appropriate option. Using ODM is possible to define simple and complex classes, and assure an increase of the MMU (see Spanish example – SIOSE).

It is important to highlight that the geoland project is trying to fulfil new upcoming users needs; it is not possible to apply CORINE Land Cover for purposes that were never intended. CORINE Land Cover was developed to aggregate environmental information to the European level in order to be able to develop new policies based on this information. Therefore, this new planned land cover product should not be called CORINE.

Stefan Kleeschulte
Nuria Blanes
Jaume Fons

List of participants in joint user session:

NAME	E-MAIL	ORGANISATION / INSTITUTION
Francis Bertrand	francis.bertrand@ifen.fr	French Institute for the Environment (French Gov)
Hans Dufourmont	hans.dufourmont@cec.eu.int	EC-DG EUROSTAT
Tim Lack	tim.lack@wrcplc.co.uk	ETC Water
Manuel Navarro	mnacomal@mapya.es	Spanish Agriculture Department
Francesco De Mitri	francesco_demitri@yahoo.it	TOR VERGATA – University - Roma
Eva Dvorakova	eva.dvorakova@cenia.cz	Czech Environmental Information Agency
Espen Volden	Espen.volden@esa.int	ESA
Peter Breger	Peter.breger@cec.eu.int	EC – DG ENTR
Birgit Mohaupt-Jahr	Birgit.mohaupt@uba.de	UBA – Germany
Ute Kuhn	kuhn@fgg-weser.de	River Basin Commission Weser
Sharon Gomez	gomez@gaf.de	GAF-GSEFM
Markus Erhard	markus.erhard@eea.eu.int	EEA
Gedas Vaitkus	gedas@ekoi.lt	Institute of Ecology, Vilnius
Nico Bonora	nico.bonora@apat.it	APAT – Italy
Jannica Haggbom	jannica.haggbom@naturvardsverket.se	Swedish Environmental Protection Agency
Keith Porter	keith.porter@english-nature.org.uk	English Nature (UK)
Andy Shaw	andrew.shaw@defra.gsi.gov.uk	DEFRA
Simon Leach	simon.leach@defra.gsi.gov.uk	UK Rural Development Service
Katarzyna Dabrowska-Zielinska	kasia@igik.edu.pl	IGiK RS Dep
Simin Davoudi	s.davoudi@leedsmet.ac.uk	Leeds Metropolitan University
Barbara Koch	barbara.koch@felis.uni-freiburg.de	University of Freiburg
Franz Jaskolla	franz.jaskolla@infoterra-global.com	IT-D
Rolf Lessing	rolf.lessing@delphi-imm.de	DELPHI IMM GmbH
Jean-Marie Ries	jean-marie.ries@eau.etat.lu	Water Agency Luxembourg

List of participants session of the future of a European land cover update:

NAME	E-MAIL	ORGANISATION / INSTITUTION
Katarzyna Dabrowska-Zielinska	kasia@igik.edu.pl	IGIK RS Dep
Franz Jaskolla	franz.jaskolla@infoterra-global.com	IT-D
Tim Lack	tim.lack@wrcplc.co.uk	ETC Water
Rolf Lessing	rolf.lessing@delphi-imm.de	DELPHI IMM GmbH
Francis Bertrand	francis.bertrand@ifen.fr	French Institute for the Environment (French Gov)
Agnès Lladós	allados@icc.es	Institut Cartogràfic de Catalunya
Richard Wadsworth	rawad@ceh.ac.uk	Centre for Ecology and Hydrology, UK
Steffen Kuntz	Steffen.kuntz@infoterra-global.com	Infoterra GmbH (IT-D)
Jean-Marie Ries	jean-marie.ries@eau.etat.lu	Water Agency Luxembourg
Antonio Garzón	agarzon@indra.es	INDRA ESPACIO S.A.
Peter Breger	Peter.breger@cec.eu.int	EC – DG ENTR
Mathias Schardt	mathias.schardt@joanneum.at	Joanneum Research
Michael Bock	michael.bock@dlr.de	DLR
Marek Tinz	marek.tinz@infoterra-global.com	ITD
Thomas Schrage	thomas.schrage@infoterra-global.com	ITD
Manuel Navarro	mnacomal@mapya.es	Spanish Agriculture Ministry
Ute Kuhn	kuhn@fgg-weser.de	River Basin Commission Weser
Julia Giménez	jgimo@tragsatec.es	Tecnologías y servicios agrarios (TRAGSATEC)
Sharon Gomez	gomez@gaf.de	GAF-GSEFM
Andre Jadot	andre.jadot@eurosense.com	Eurosense
Frank Lünsmann	frank.luensmann@delphi-imm.de	DELPHI IMM
Markus Erhard	markus.erhard@eea.eu.int	EEA
Jannica Haggbom	jannica.haggbom@naturvardsverket.se	Swedish Environmental Protection Agency
Mats Rosengren	mats.rosengren@lm.se	Metria
Rune Solberg	rune.solberg@nr.no	NR
Nico Bonora	nico.bonora@apat.it	APAT – Italy
Gedas Vaitkus	gedas@ekoi.lt	Institute of Ecology, Vilnius
Keith Porter	keith.porter@english-nature.org.uk	English Nature (UK)
Andy Shaw	andrew.shaw@defra.gsi.gov.uk	DEFRA
Simon Leach	simon.leach@defra.gsi.gov.uk	UK Rural Development Service
Ross Hill	rhill@ceh.ac.uk	Centre for Ecology and Hydrology
Andreas Mütterthies	andreas.mueterthies@eftas.com	EFTAS
Thomas Häusler	haeusler@gaf.de	GAF-AG
Mathias Dees	mathias.dees@felis.uni-freiburg.de	FELIS, University of Freiburg
Erika Höber	hoeber@rapideye.de	RapidEye
Stigbjörn Olovsson	stigbjorn.olvsson@lm.se	Metria
Pekka Härmä	pekka.harma@ymparisto.fi	Finnish Environment Institute
Jean-Baptiste Henry	jean-baptiste.henry@vtt.fi	VTT Finland
Nicolas Dosselaere	nicolas.dosselaere@eurosense.com	EUROSENSE (BE)
Alistair Lamb	alistair.lamb@infoterra-global.com	Infoterra Ltd (UK)
Jostein Amlien	jostein.amlie@nr.no	NR
Espen Volden	Espen.volden@esa.int	ESA
Birgit Mohaupt-Jahr	Birgit.mohaupt@uba.de	UBA – Germany
Hervé Pichon	hpichon@ignfi.fr	IGN France International
Olivier Ouisse	ouuisse@ignfi.fr	IGN France International

Alexander Kaptein	alexander.kaptein@infoterra-global.com	Infoterra GmbH
Frank Martin	Frank.Martin.Seifert@esa.int	ESA
Antonio Arozarena	aarozarena@fomento.es	IGN (Spain)
Barbara Koch	barbara.koch@felis.uni-freiburg.de	University of Freiburg
Gebhard Banko	gebhard.banko@umweltbundesamt.at	Umweltbundesamt (AT)
Robert Höller	Robert.hoeller@umweltbundesamt.at	Umweltbundesamt (AT)
Tomas Soukup	tomas.soukup@gisat.cz	GISAT S.R.O.
Jorgen Hartnor	Jorgen.hartnor@lm.se	LANTMATERIET
Igor Lampin	Igor.lampin@spotimage.fr	Spot Image
Anna Spiteri	irmco@keyworld.net	IRMCo - Malta
Dale Mellor	dmel@ceh.ac.uk	CEH / NERC