

SNOWMAN NETWORK

Knowledge for sustainable soils



OVERVIEW of the SNOWMAN Calls

**Snowman Knowledge dissemination meeting
Paris, 19 November 2013**

Frédérique Cadière, Call coordinator



Content scope - Research themes

- **transformation processes on functions of soil**

Physical, chemical and biological processes as a basis for ecosystem services

- **biodiversity**

role of soil in maintaining diversity of species

- **hydrological system**

interaction of soil and (ground)water

- **climate change and energy supply**

role of and effects on soil, including carbon cycles

- **sustainable agricultural production**

high yields while maintaining soil fertility

- **contamination**

Risk assessment of human health, ecology, risk reduction technologies

- **socio-economic factors**

Impact and influence of socio-economic factors on soil functions



4 joint Calls

- Call 1 : ERA-NET period (2006-2007) : pilot call
 - Topics : strategies and related tools for sustainable management of land contamination
- Call 2 (2009)
 - Topics : area management, integration into spatial planning, use of CL for biofuel production
- Call 3 (2011)
 - Topics: sustainable use of soil and soil quality, including socio-economic themes
- Call 4 (2012)
 - Topics: research using social and economic sciences on soil contamination and on agricultural and forest soils

Calls main figures



	Call 1	Call 2	Call 3	Call 4
Year of the call	2006	2009	2011	2012
Number of countries	9	6	4	4
Initial budget (M€)	0,8	1,8	2	1,8
Number of proposals submitted	23	12	15	8
Number of proposals after eligibility, fundability, fit to call check		10	14	8
Number of projects funded	6	3	6	3
Success rate	26 %	25 %	40 %	37 %
Budget spent (M€)	0,800	0,955	2,277	0,857

SNOWMAN NETWORK



Knowledge
for
sustainable
soils

SNOWMAN Portfolio

- Overview of 4 calls
- 18 projects
 - 6 projects finished (call1)
 - 12 projects (call 2, call 3 and call 4)
- More details / reports on the website



Knowledge dissemination

- SNOWMAN network wants to **DEVELOP** and **SHARE** relevant knowledge for the sustainable use of soil and groundwater.
- **DEVELOP**: final meeting (call 2) – midterm meeting (call 3)
- Special focus on dissemination activities



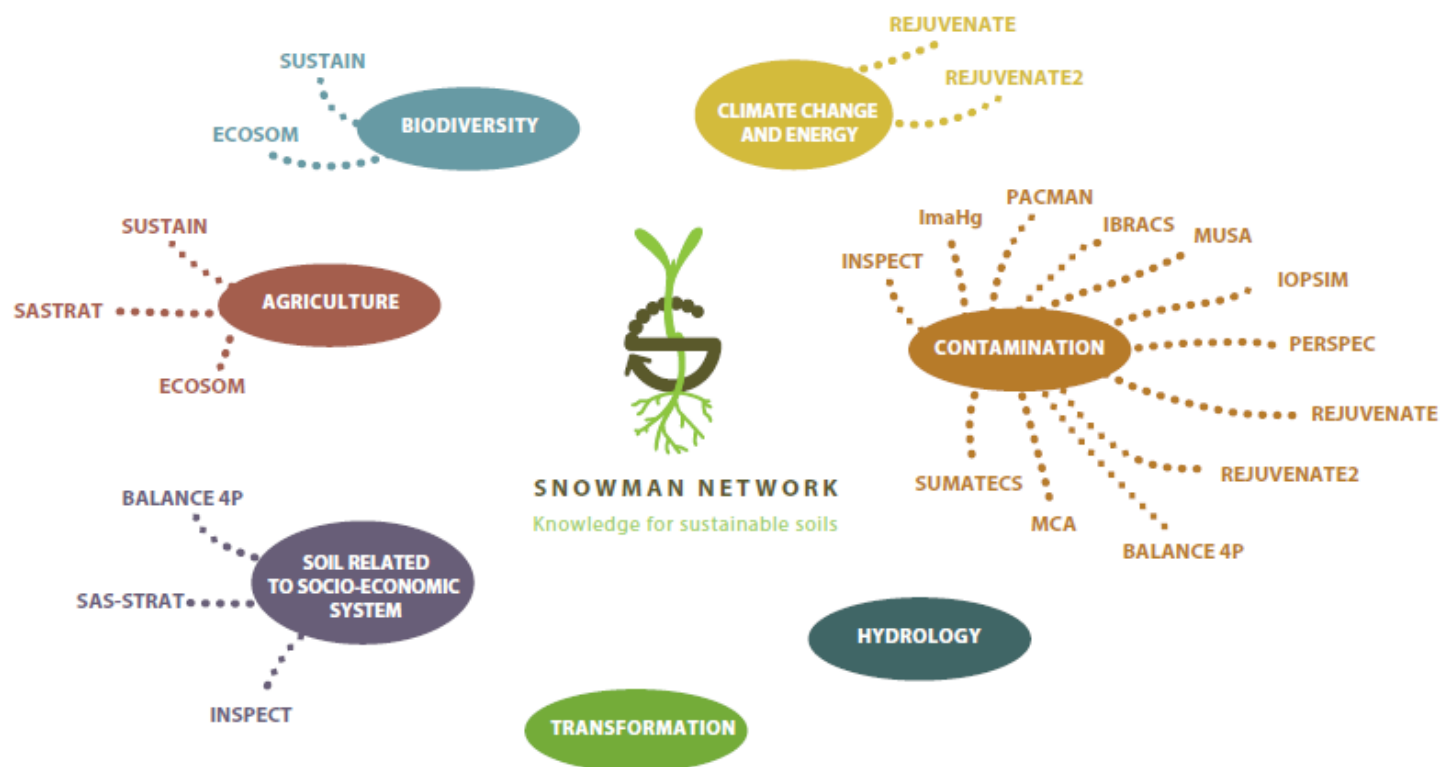
Dissemination

- Scientific publications**
 Suer, P., Andersson-Sköld, Y., 2011, Biofuel or excavation? ? Life cycle assessment (LCA) of soil remediation options. Biomass and Bioenergy, Volume 35, Issue 2, 969-981
 Bardos, P., Bone, B., Andersson-Sköld, Y., Suer, P., Track, T., Wagelmans, M., 2011, Crop-based systems for sustainable risk-based land management for economically marginal damaged land. Remediation Journal, Volume 21, Issue 4, pages 117-33
 Andersson-Sköld, Y., Bardos, P., Chalot, M., Bert, V., Deplanque, M., Track, T., Crutu, G., Cundy, A.. The Rejuvenate DST for biomass selection on marginal land ? results from case study applications. Submitted ES&T 2013
 Enell, A., Vestin, J., Wagelmans, M., Lithner, D., Andersson-Sköld, Y. Cultivation of bioenergy crops on contaminated land ? Risks and potentials based on field experiments in Sweden. Manuscript in prep. 2013
- Conferences**
 Bardos et al., 2009, Green Remediation 2009, Copenhagen, Denmark
 Suer et al., ConSoil 2010, 11, Salzburg, Austria, 2010
 Andersson-Sköld et al., Nätverket Renare Mark, Värmöte, Sundsvall, 2011
 Witters, OVAM, Mechelen, 2011
 Andersson-Sköld, et al., Keszthely, Hungary, 2011
 Andersson-Sköld et al., International conference on the biogeochemistry of trace elements, ICOBTE 2011, Florence, 2011
 Wagelmans et al, 2012, 6th SETAC World Congress / SETAC 22nd Europe Annual Meeting, Berlin, 2012
 Andersson-Sköld et al., 9th International Phytotechnology Society (IPS) conference, Hasselt, Belgium, 2012
 Andersson-Sköld et al., The 2nd International Conference on Sustainable Remediation Vienna, Austria, 2012
 Enell et al., Nätverket Renare Mark, Värmöte, Malmö, 2013
 Andersson-Sköld et al., Aqua Consoil, Barcelona, Spain, 2013
Poster presentations
 ConSoil 2010
 Nordrocs 2010.
 EGU, Vienna, 2010.
 BMPC (Balkan Mineral Processing Congress), 2011
 International Exergy, Life Cycle Assessment and Sustainability Symposium, 2011
 Romanian International Conference on Chemistry and Chemical Engineering, 2011
 Nätverket Renare Mark, 2013
 XV Anniversary BMPC, 2013
- Reports**
 Final Report Rejuvenate 2
 Midterm report of Rejuvenate2
 DST Guide
- Popular publications**
 Reviewing Rejuvenate, International Innovation. Disseminating Science, Research and Technology, Eurofocus, issue 4, 2011
 Naturvårdsverket Forskningsdagar för journalister, Sweden, 19th January, 2011, Rejuvenate - Solrosor och Salix på förorenad mark (in Swedish). Energiskog renar industrimark, SVT.se, 11-01-26.
 Energiskog ska sanera fabriksmark, Lantbrukets affärstidning, 11-01-25.
 Energiskog till sanering, E-magasin 5 STT, 5/2011.
 Salixodling kan sanera Utansjöfabriken, Allehanda, Härmösand. 24 januari, 2011.
 Solrosor renar giftig mark, Ren Landsbygd 2011.



Knowledge dissemination

- **SHARE** : SNOWMAN dissemination plan
→ **Snowman landscape**



Thank you for your attention

Questions?

More information?

www.snowmannetwork.com

info@snowmannetwork.com

