



Joint Research Centre (JRC)



Soil awareness at the Global Soil Week 2012

Experience of a special session

Bampa F., Broll G., Montanarella L.



GSW2012



GROUNDED

example

CELEBRATE
SOIL AWARENESS!

Film Festival



Market Place
of ideas



<http://globalsoilweek.org/previous-gsw/>

Joint
Research
Centre



STANDS

Global Soil Partnership (GSP)

European Commission – Directorate General Joint Research Centre (EC-DG-JRC)
Bundesministerium für Bildung und Forschung (BMBF, Federal Ministry of Education and Research)

European Land and Soil Alliance ELSA

Federal Institute for Geosciences and Natural Resources Interview "Soil Booth"
Austria, Haus der kleinen Forscher in Berlin (House of little Explorers in Berlin)

Media library, United Nations Convention to Combat Desertification (UNCCD)

Umweltbundesamt (UBA, German Federal Environment Agency)

International Soil Reference and Information Centre (ISRIC)

Schölerberg Natural History Museum Osnabrück

Boden des Jahres (Soil of the Year)

Oekom Verlag (publishing company)

Fördermaßnahme „Nachhaltiges Landmanagement“

Artist Betty Beier – Erdschollenarchiv (Earth Print)

Helga Restum Hissa

MICRO-WATERSHEDS SIMULATOR and "LAND PAINTS" (tbc)

GSW2012 – SOIL Action stand



- Atlases
- Reports
- Maps & Posters
- Calendars



<http://eusoils.jrc.ec.europa.eu/>

EUROPEAN COMMISSION stand:

- DG JOINT RESEARCH CENTRE (SOIL ACTION) &
- DG ENVIRONMENT

example



The importance of raising soil awareness



WHY?

Pre-condition for promoting soil protection strategies and legislation between **policy makers** ✓.

Despite this role, the actual activities do not address the **whole public** ✗.

OBJECTIVES:

- To discuss the main effective ways of raising soil awareness
- To develop an international **2013 Agenda for action** to inspire people about soil

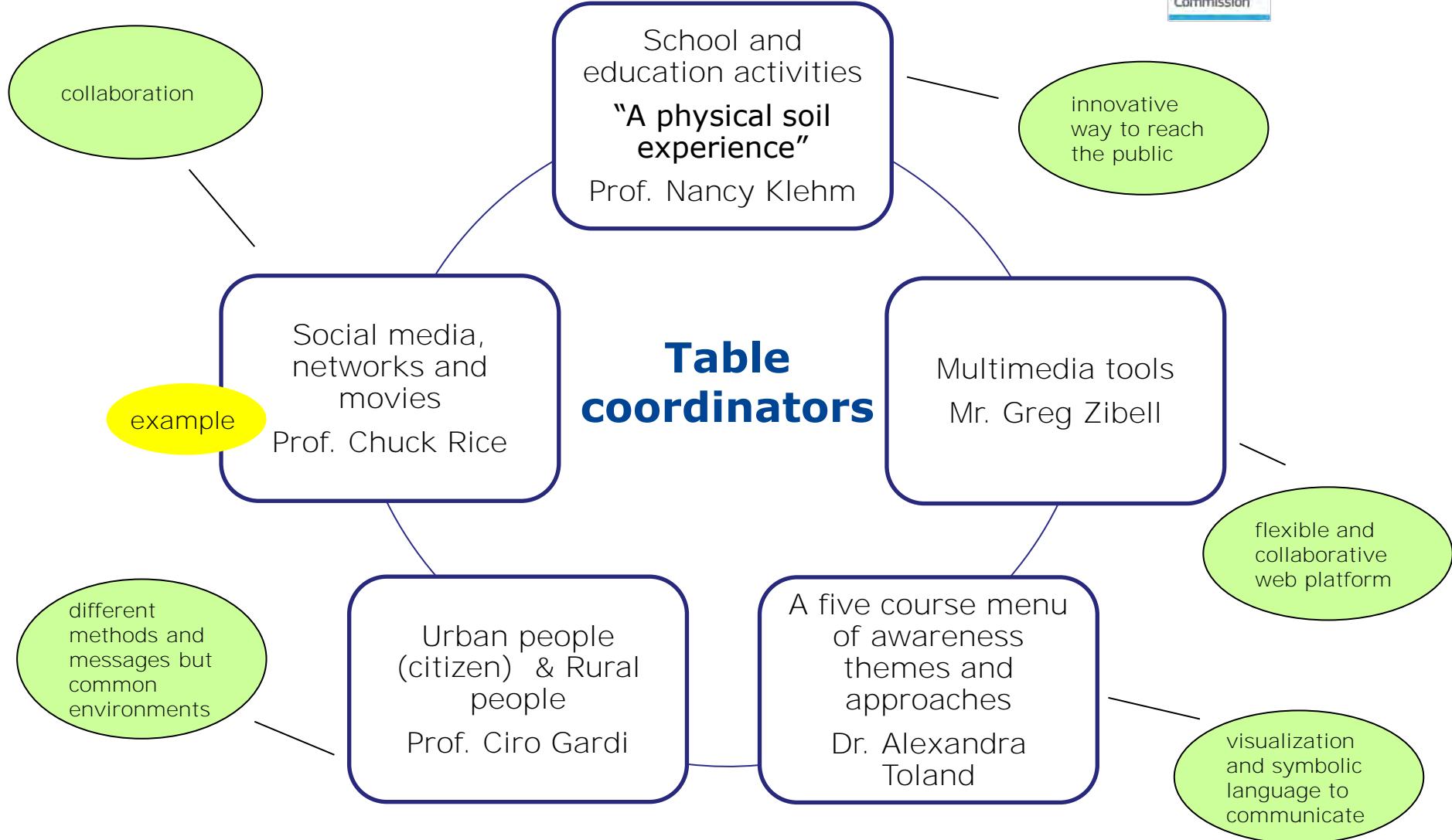
Raising soil awareness session



World café style

1. What should be done globally to raise awareness about soil?
2. Which tools are available?
3. How can a broader public be reached?

World cafè style



Conclusions



- There are enough tools and ideas on raising soil awareness but almost no **funding** is available.
- **Coordinate** and **team up** all the existing networks using a unique and easy **platform**.
- Involve **citizen** (urban people to be connected to nature) as well as **rural communities**.
- Recruit **young people** with an innovative view on soil science.
- Needs to **promote soil education** at every school and university level.
- Include more **innovative tools, channels and communicators**.
- Everybody should get involved and become an "**Ambassador of the soil**".

Agenda for Action 2013: concrete outcomes



Mailing list



Report

http://www.globalsoilweek.org/wp-content/uploads/Rapporteurs-Reports_GSW2012.pdf

Summer of soil

<http://www.summerofsoil.se/>

GSP – 2nd pillar (work in progress)



The image shows a reporting format for rapporteurs, specifically for platform sessions at the Global Soil Week. It includes sections for session title, date, rapporteur name, moderator/commentator, facilitator, session topic importance, objectives, key concerns, and discussion points. The document is dated November 2012 and is intended for submission by Friday 23rd November.

ENSA conference 2013

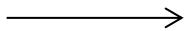
GSW 2013 – Raising soil awareness session

5th December 2015: World Soil Day & International Year of Soils



Questions arising ways forward

- How can the public participate in the future agenda?
- How can all the active actors team up to have a common strategy?
- How can the GSW be used as a vehicle to raise soil awareness?
- The Global Soil Week addressed to the traditional audience, next year should be public, not by invitation only.
- Need of soil summer schools for the general public in different locations.



Emilia Romagna project
“Che terra pesti?/The earth beneath your feet.”

<https://www.facebook.com/cheterrapesti>

Common goal 5/12/2015

GSW2013 ?

Summer of Soil (Jarna- Sweden)
www.summerofsoil.se/

Do we speak about soil?



<http://eusoils.jrc.ec.europa.eu/awareness/>

<http://www.eu-ensa.org/> & <http://www.bodenbuendnis.org/en/welcome/>

<http://www.hutton.ac.uk/events/european-network-soil-awareness/>

Networks

<http://www.bodenbuendnis.org/projekte/ensa/>

<http://www.soil-net.com/>

<http://www.cranfield.ac.uk/sas/nsri/research/projects/audit.html>

http://www.sondar.eu/hu/index.php?article_id=1&clang=2

<http://www.iheartsoil.org/> & <https://www.soils.org/>

<http://www.facebook.com/SSSA.soils> & https://twitter.com/SSSA_soils

Twitter Facebook

<https://www.facebook.com/BundesverbandBoden>

<https://www.facebook.com/cheterrapesti>

<http://www.fao.org/globaloilpartnership/news/detail/en/c/174791/>

<http://www.globaloilbiodiversity.org/?q=node/218>

<http://soilweb.landfood.ubc.ca/promo/raising-awareness>

www.geowiss.uni-hamburg.de/i-boden/pubirel.htm

www.summerofsoil.com

www.bodenwelten.de

www.nua.nrw.de/boden/

www.osnabrueck.de/unterwelten

Summer Schools

<http://www.dirtthemovie.org/>

www.symphonyofthesoil.com

<http://soilarts.wordpress.com/>

<http://www.decolab.org/tbi/>

<http://soils.usda.gov/education/resources/lessons/painting/>

<http://parideazafarmart.wordpress.com/workshop-on-making-paint-from-soil/>

Arts

Movies

<http://soilscapestudio.com/paintings.htm>

<http://www.commonground191.com/>

http://www.soil-net.com/dev/page.cfm?pageid=about_links

Weyer, T., Boeddinghaus, R. Soil compaction and soil protection (2013) Geographische Rundschau, 65 (4), pp. 28-35.

Bouma, J., Broll, G., Crane, T.A., Dewitte, O., Gardi, C., Schulte, R.P.O., Towers, W. Soil information in support of policy making and awareness raising (2012) Current Opinion in Environmental Sustainability, 4 (5), pp. 552-558.

Bindraban, P.S. et al.. Assessing the impact of soil degradation on food production (2012) Current Opinion in Environmental Sustainability, 4 (5), pp. 478-488.

Ogelman, H.G. Teaching preschool children about nature: A project to provide soil education for children in Turkey (2012) Early Childhood Education Journal, 40 (3), pp. 177-185.

Gülay, H., Önder, A., Turan-Güllaç, E., Yilmaz, S. Children in need of protection and learning about the soil: A soil education project with children in Turkey (2011) Procedia - Social and Behavioral Sciences, 15, pp. 1839-1844.

Patrick Megonigal, J., Stauffer, B., Starrs, S., Patarik, A., Drohan, P., Havlin, J. "Dig It!": How an exhibit breathed life into soils education (2010) Soil Science Society of America Journal, 74 (3), pp. 706-716.

Hartemink, A.E., McBratney, A., Minasny, B. Trends in soil science education: Looking beyond the number of students (2008) Journal of Soil and Water Conservation, 63 (3), pp. 76A-83A.

Muggler, C.C., De Araújo Pinto Sobrinho, F., Machado, V.A. Soil education: Principles, theory and methods [Educação em solos: Princípios, teoria e métodos] (2006) Revista Brasileira de Ciencia do Solo, 30 (4), pp. 733-740.

Schmidt, C.W. Putting the earth in play: Environmental awareness and sports (2006) Environmental Health Perspectives, 114 (5), pp.

Hassenpflug, W. Creating 'soil awareness' - A neglected task of geography teaching (1998) Erde, 129 (1), pp. S53-S61.

Yalon, D.H. Soil science in transition: Soil awareness and soil care research strategies (1996) Soil Science, 161 (1), pp. 3-8. www.summerofsoil.se/

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Do we have people willing to raise soil awareness?



Sondar project

2013



ENSA 2011



Summer of Soil 2013



GSW
2012



EU Summer school on soil survey
2006



Do we have people willing to raise soil awareness?



Sondar project



ENSA network



Summer of Soil 2013



GSW
2012



Yes!



EU Summer school on soil survey
2006



Do we reach & involve the general public?



Our experience..

- Saturday, 4 May 2013
- over 10 300 visitors

(the 1st guided tour in 1992 for 300 persons)

<http://ec.europa.eu/avservices/video/player.cfm?ref=I078015&sitelang=en>

Do we reach & involve the general public?



JRC
Open
Day

Call for Photos
**GLOBAL SOIL
BIODIVERSITY
ATLAS**

Topics for the photos:

Soil organisms. Soils are inhabited by many different organisms such as bacteria, fungi, insects, earthworms, and mammals. Just look down and click.

Soil ecosystems. Soil biodiversity is present in all environments, from the Arctic to deserts, through forests, agricultural fields, and grasslands. Take pictures of landscapes where soil biodiversity is present.

Threats to soil biodiversity. Soil biodiversity is increasingly under threat. Soil erosion, urbanization (soil sealing), pollution, fire, climate change, deforestation, and intensive land use are some examples. You could take pictures showing one of these critical aspects.

Awareness of soil biodiversity. It is more and more important to raise awareness of the importance of soil biodiversity among the public as well as policy makers. Education and playing with soil represent some of the ways to reach this goal. Furthermore, soil has different meanings for different cultures. If you have captured one of these cultural differences during one of your journeys, please send us your photo!

Send to: alberto.orgiazz@jrc.ec.europa.eu
Photos due December 31st, 2013



Thank you for your attention



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