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Soil survey data, a heritage to preserve: the case of Belgium

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Outline

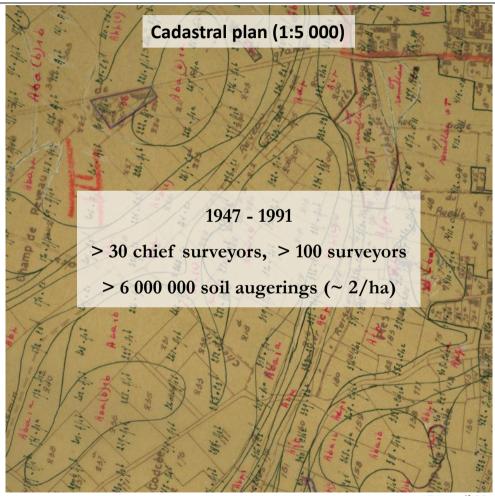
- The Soil Map of Belgium
- Soil Survey is more than maps
- Preserving our heritage to construct the future



THE SOIL MAP OF BELGIUM

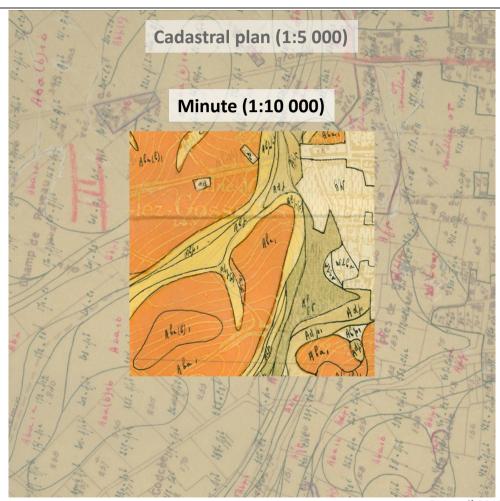


The Soil Map of Belgium



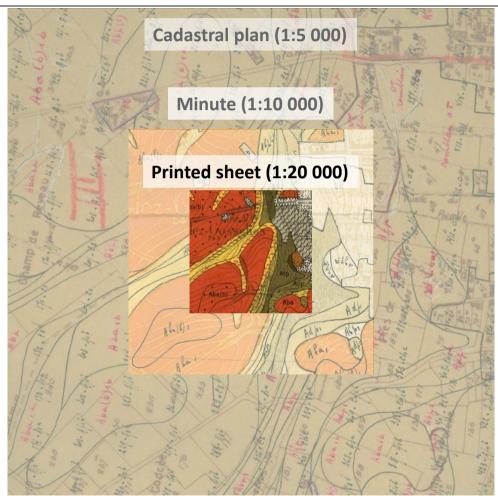


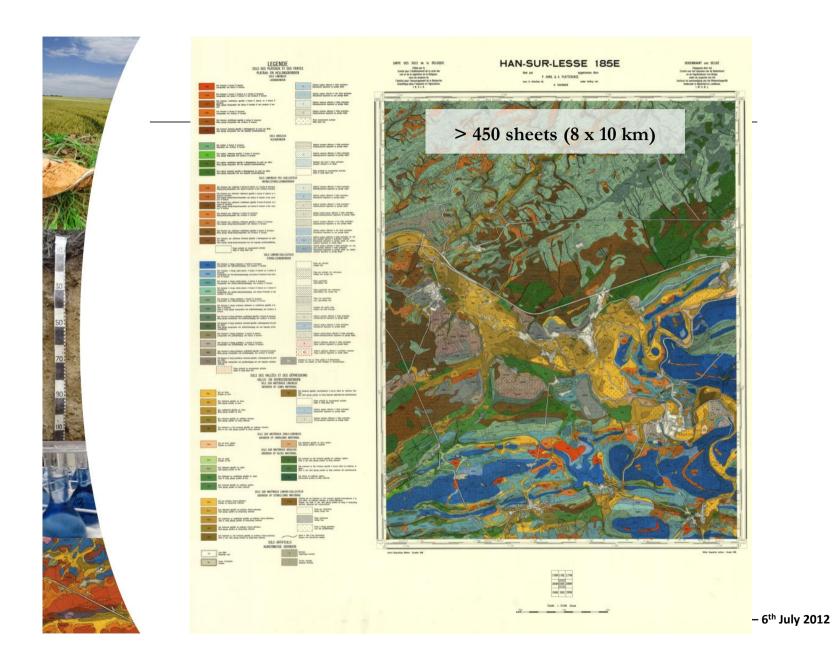
The Soil Map of Belgium

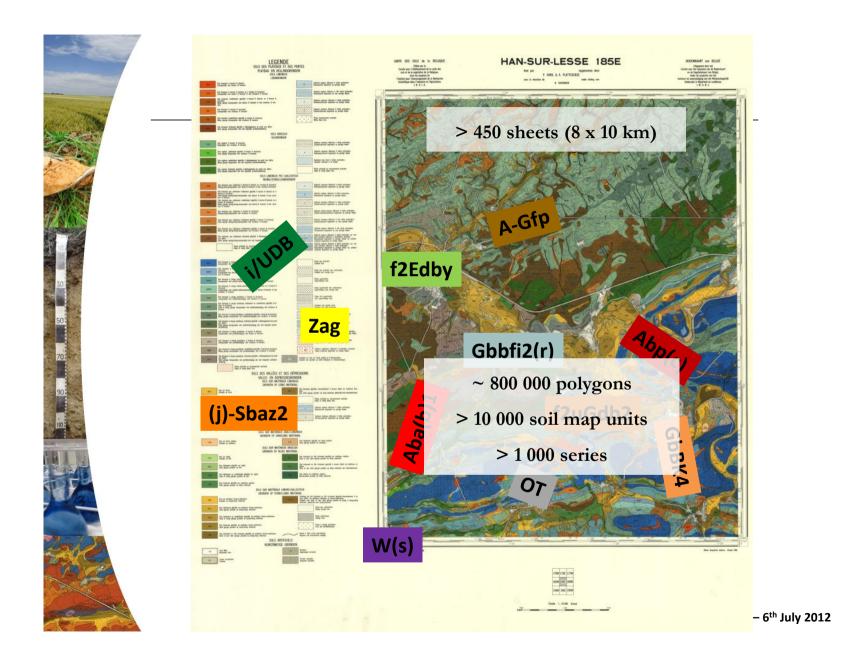


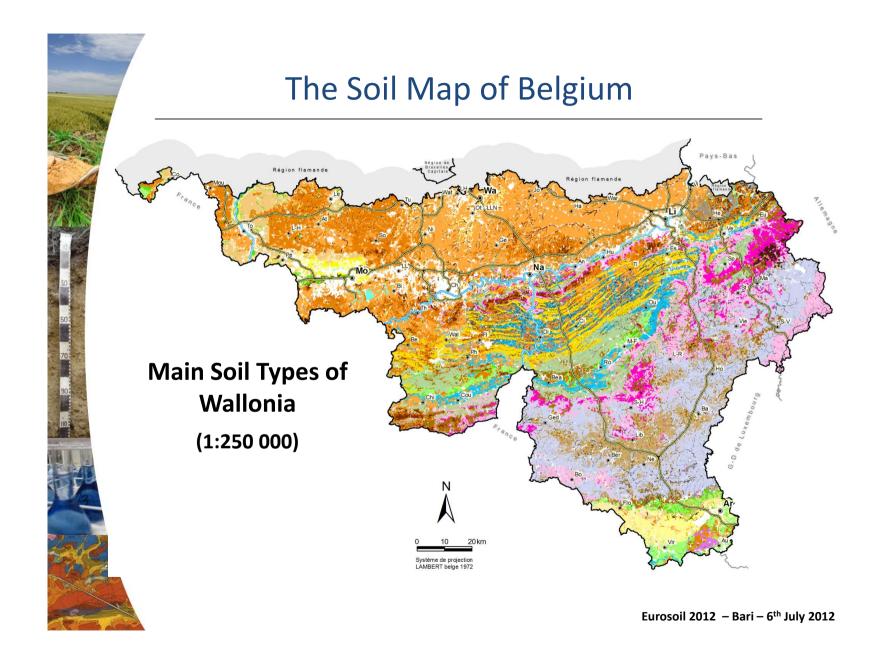


The Soil Map of Belgium











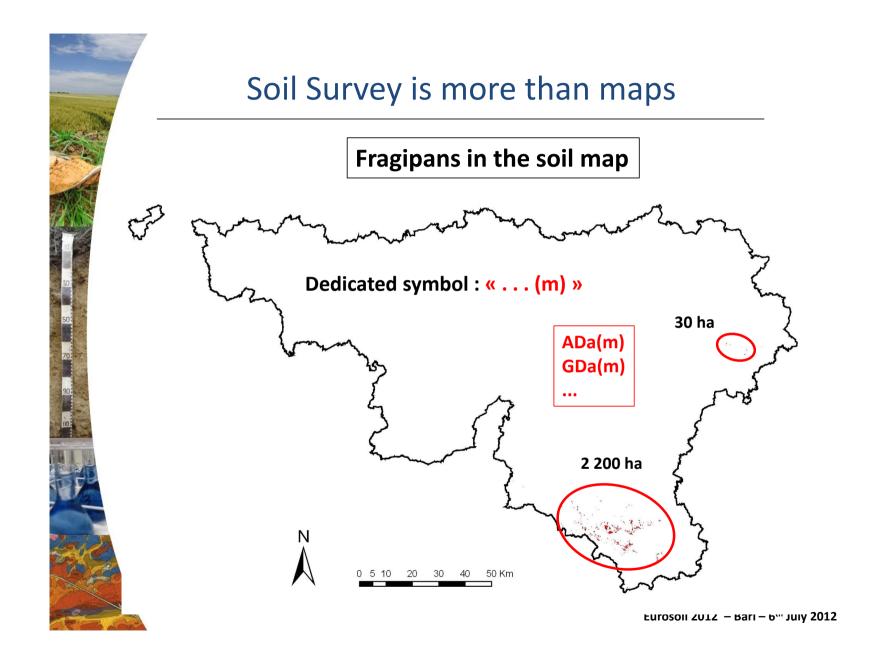
SOIL SURVEY IS MORE THAN MAPS



Associated products

- ✓ explanatory booklets (one per sheet)
- ✓ soil association maps
- √ 15 000 profiles described and analyzed
- ✓ regional monographs
- ✓ scientific papers

(e.g.: more than 50 articles in the journal *Pédologie*)





Explanatory booklets

Official definition

Série Ghx : sols limoneux peu caillouteux fortement gleyifiés

à développement de profil non défini

Ghx1: phase profonde ou moyennement profonde

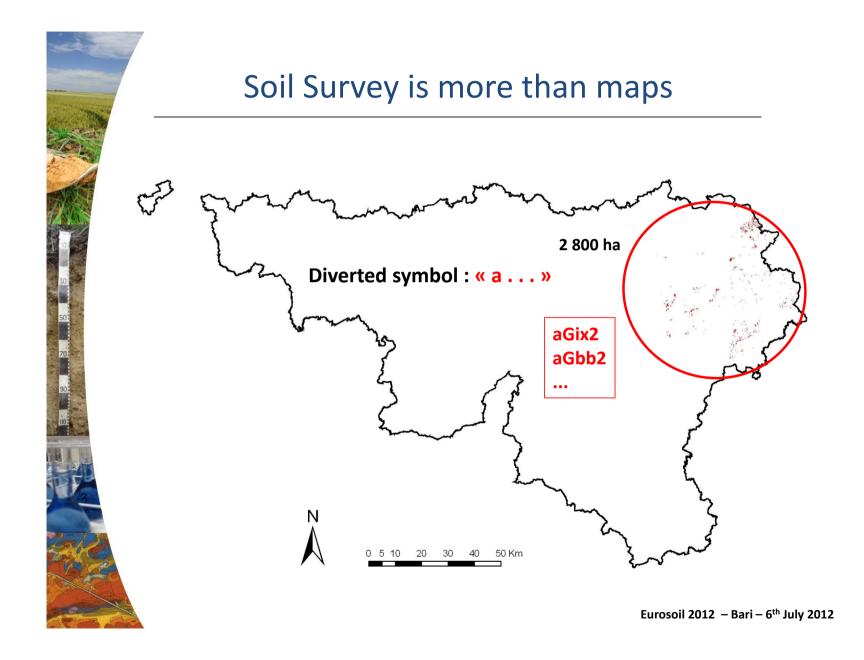
aGhx2: phase à substrat fortement altéré débutant à faible pro-

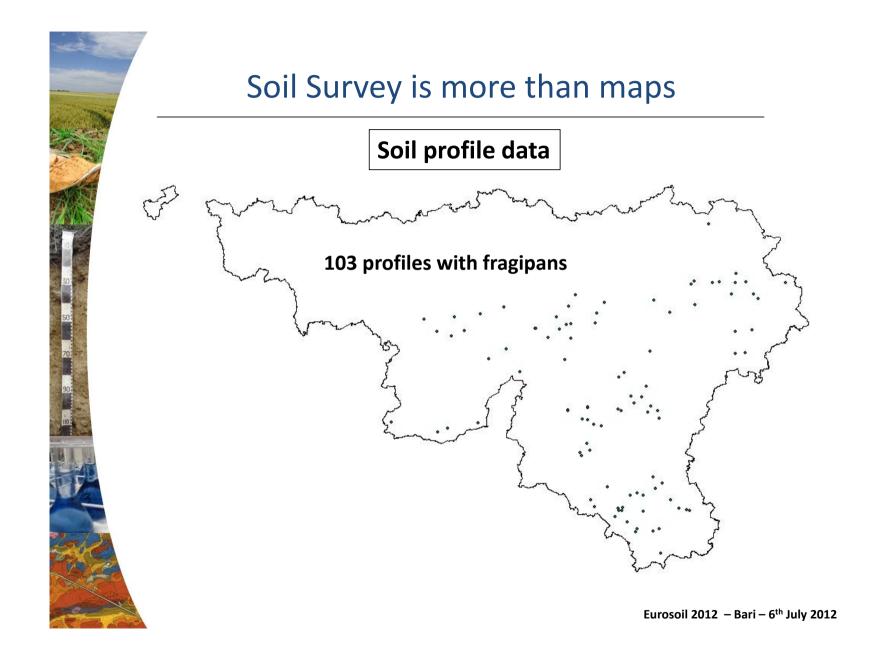
fondeur

uGhx2: phase à substrat argileux débutant à faible profondeur

Remarks

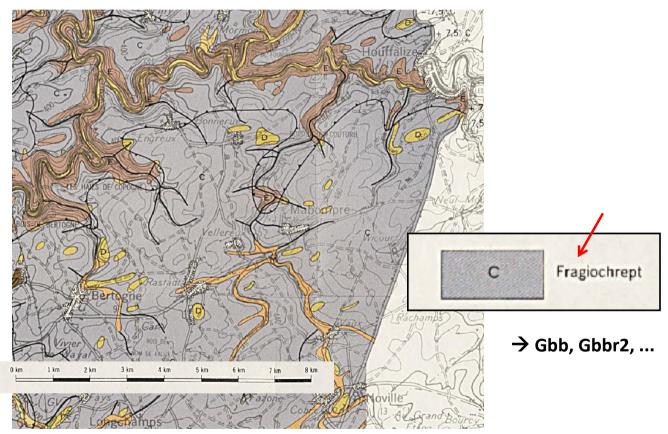
Vesdre. Les autres phases ne se rencontrent que dans le Massif ardennais, où l'on peut considérer aGhx comme un sol à fragipan de loin plus fréquent dans le cadre que uGhx.







Regional monographs



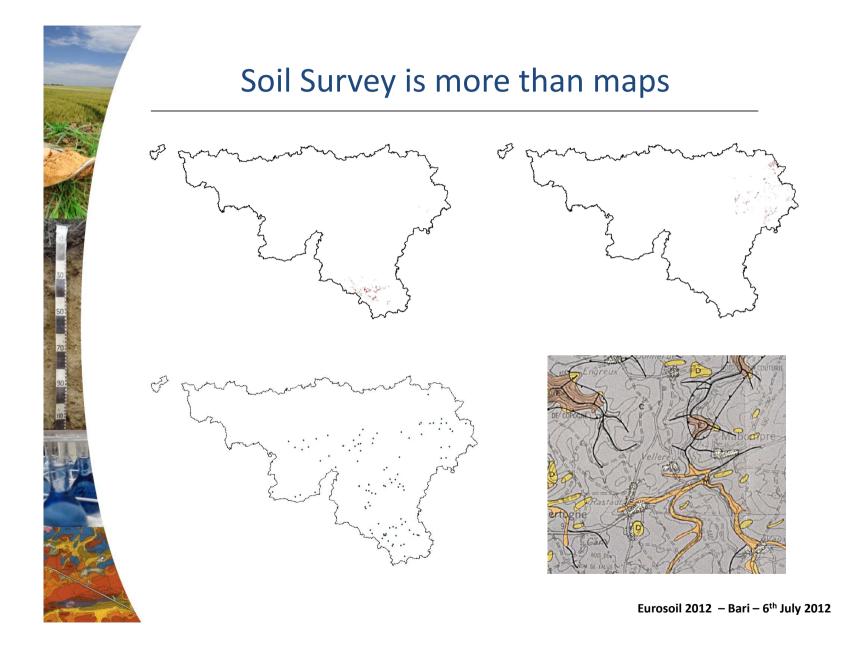


Scientific papers

PEDOLOGIE, VII, pp. 199-203. Gand, 1957.

LES SOLS A FRAGIPAN DE LA REGION CONDRUSIENNE(*)

par R. TAVERNIER et R. MARÉCHAL Centre de Cartographie des Sols, IRSIA, Gand





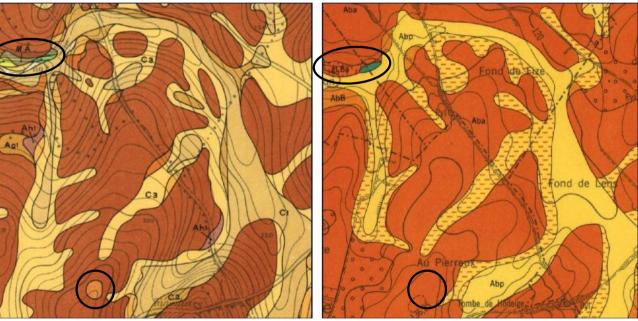
- Unpublished documents
 - ✓ cadastral plans and minutes
 - ✓ field notes
 - ✓ draft maps
 - ✓ excursion reports
 - ✓ letters
 - ✓ proceedings of working groups
 - ✓ course handouts
 - ✓ technical documents
 - ✓ annotations of documents



Sheet 120E-Momalle

Preliminary legend (1953)

Standardized legend (1964)

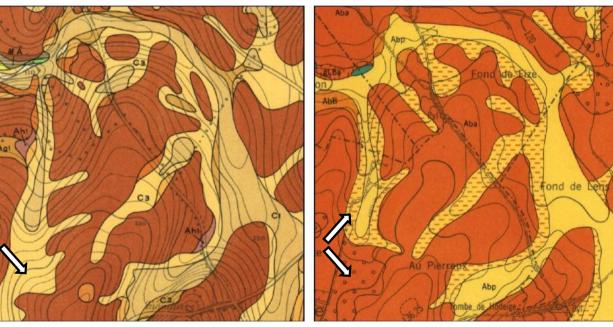




Sheet 120E-Momalle

Preliminary legend (1953)

Standardized legend (1964)

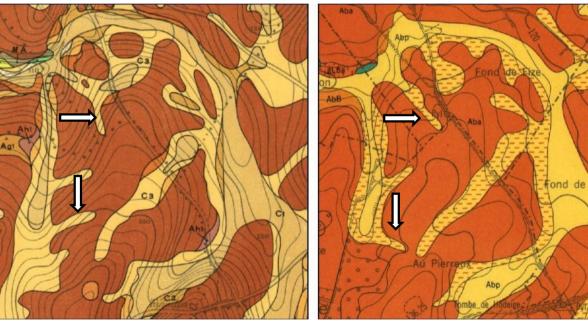




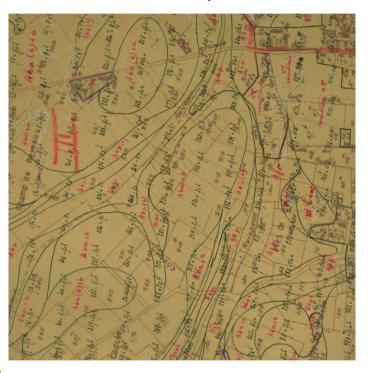
Sheet 120E-Momalle

Preliminary legend (1953)

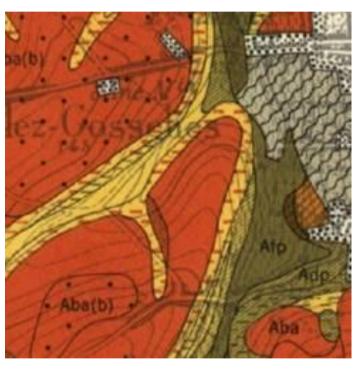
Standardized legend (1964)



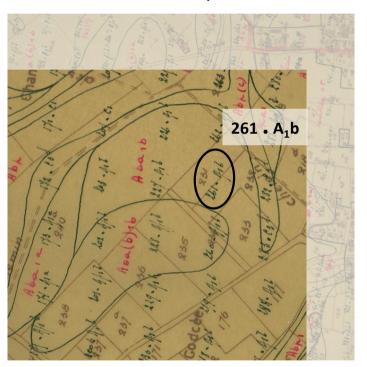
Cadastral plan



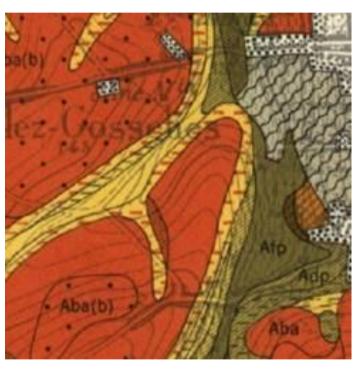
Printed map



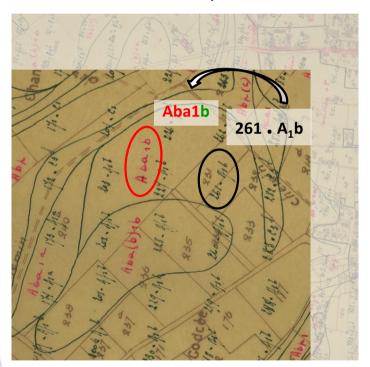
Cadastral plan



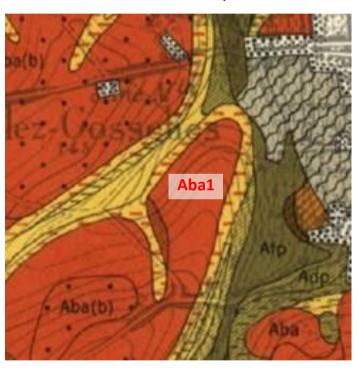
Printed map



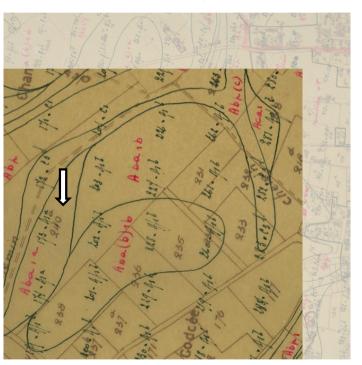
Cadastral plan



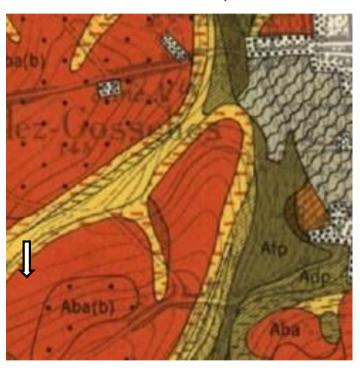
Printed map



Cadastral plan



Printed map





PRESERVING OUR HERITAGE



Preserving our heritage ...

Why preserving the archives of the soil survey project?

- ✓ Details of the original documents
- ✓ Historical context
- ✓ Under and beyond the legend
- **√** ..



... to construct the future

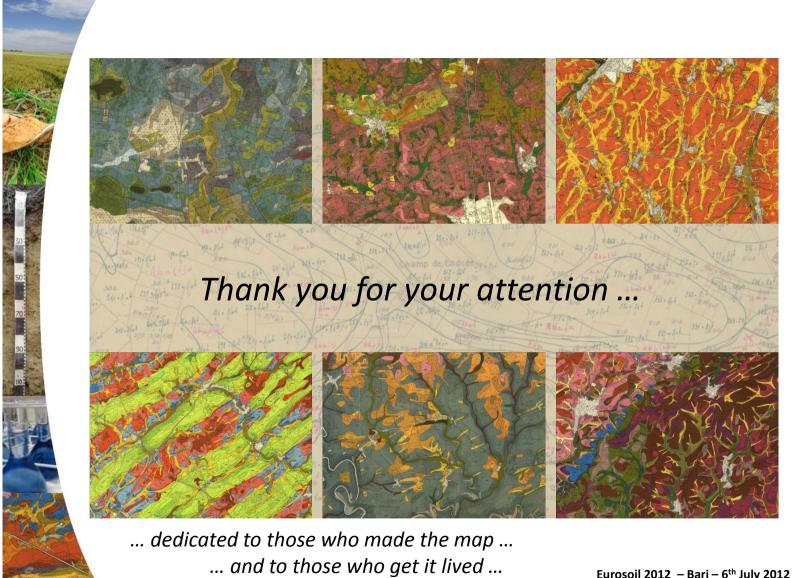
Products benefiting from archives' information:

- ✓ Explanatory booklets
- √ Soil Information System
- ✓ WRB soil maps
- **√** ..



Conclusion

A minimum set of such a legacy should be preserved, analyzed and documented as a historical, cultural and scientific heritage



Eurosoil 2012 - Bari - 6th July 2012