



ENRD SEMINAR on Opportunities and future perspectives for Resource Efficiency in Rural Areas
13 June 2017 Brussels, Belgium

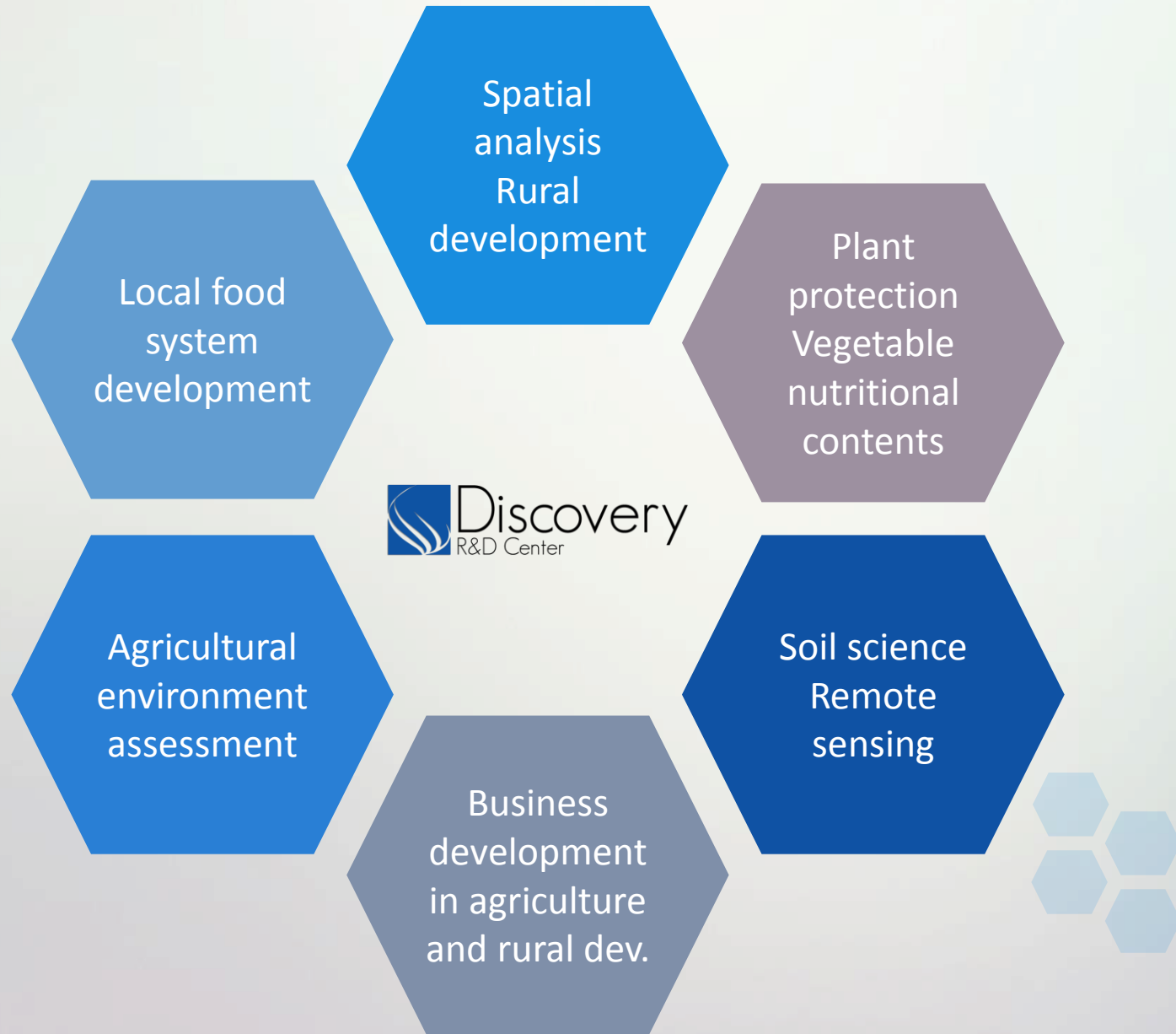
DATA DRIVEN SOIL SAMPLING PROTOCOL

Towards a harmonized soil database

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 **Discovery**
R&D Center
<http://www.discoveryltd.eu/>

Who we are



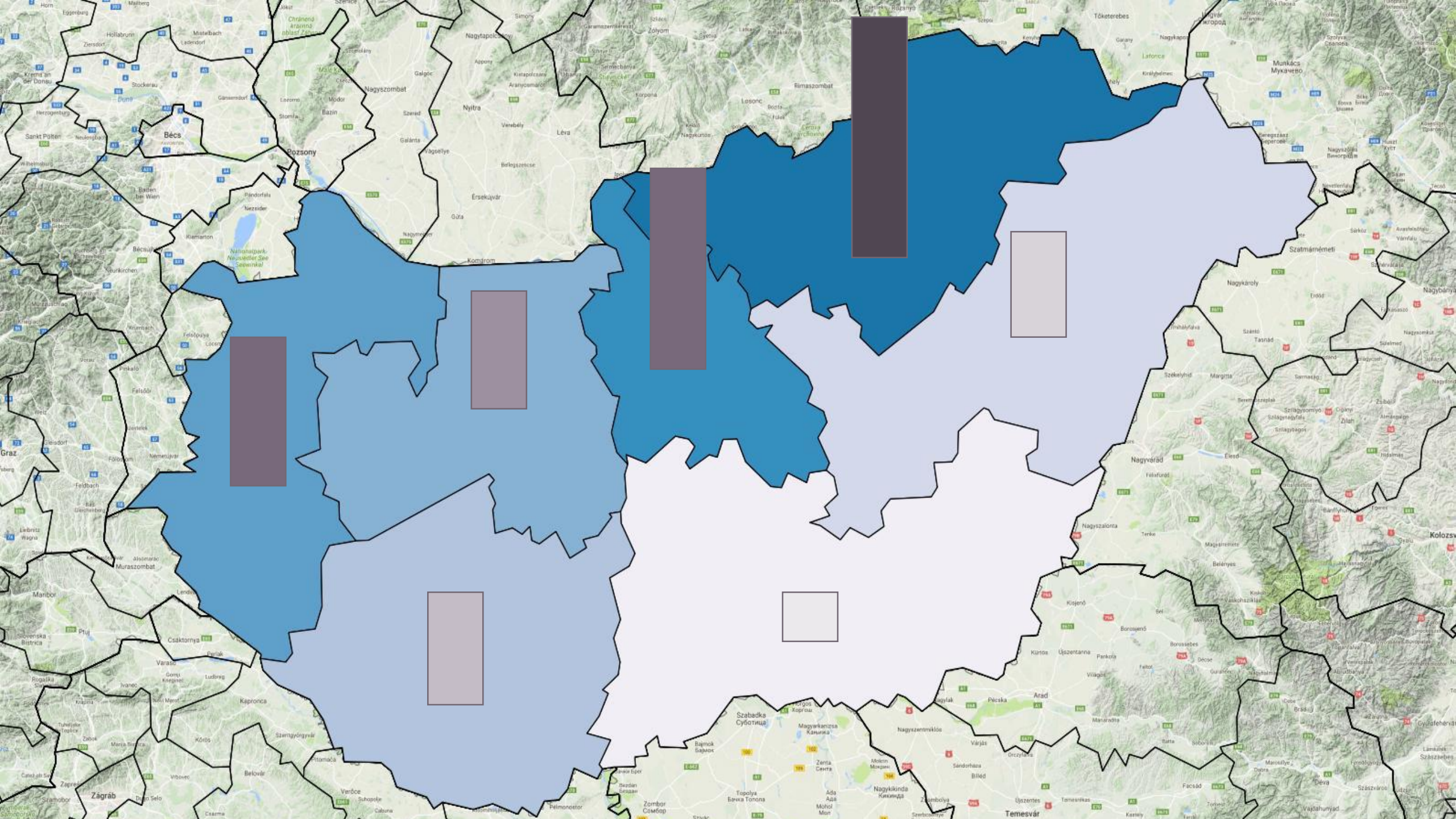
Soil science at DRDC

Precision
agriculture

Soil data
harmonization
and
correlation

Mathematical
and statistical
soil database
analyses

Pedology and
soil
classification



Soil data availability in Hungary



Not harmonized

Diverse legacy soil databases

Not all collected digitally

Not optimized for precision agriculture

Not public

New soil survey due to regulations

Potential in Harmonized soil databases



Environmental modelling



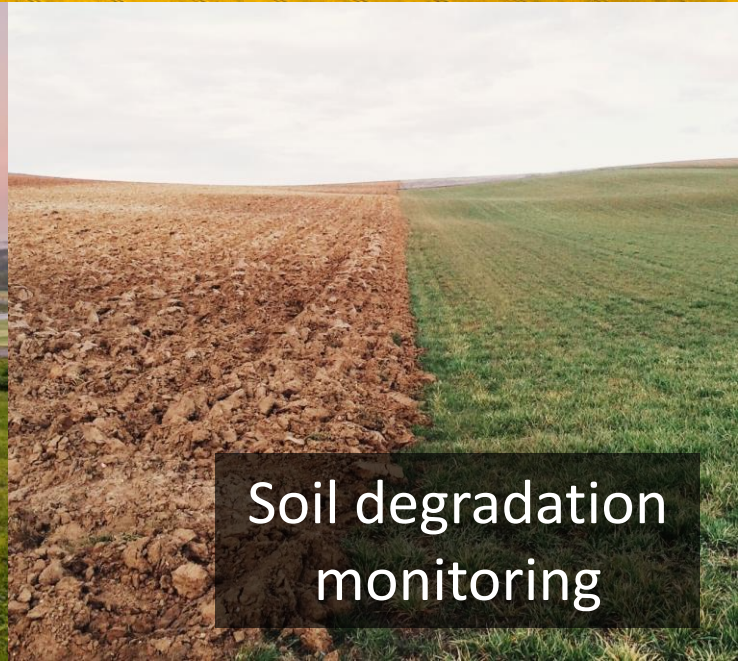
Clear and accurate information



Input material management

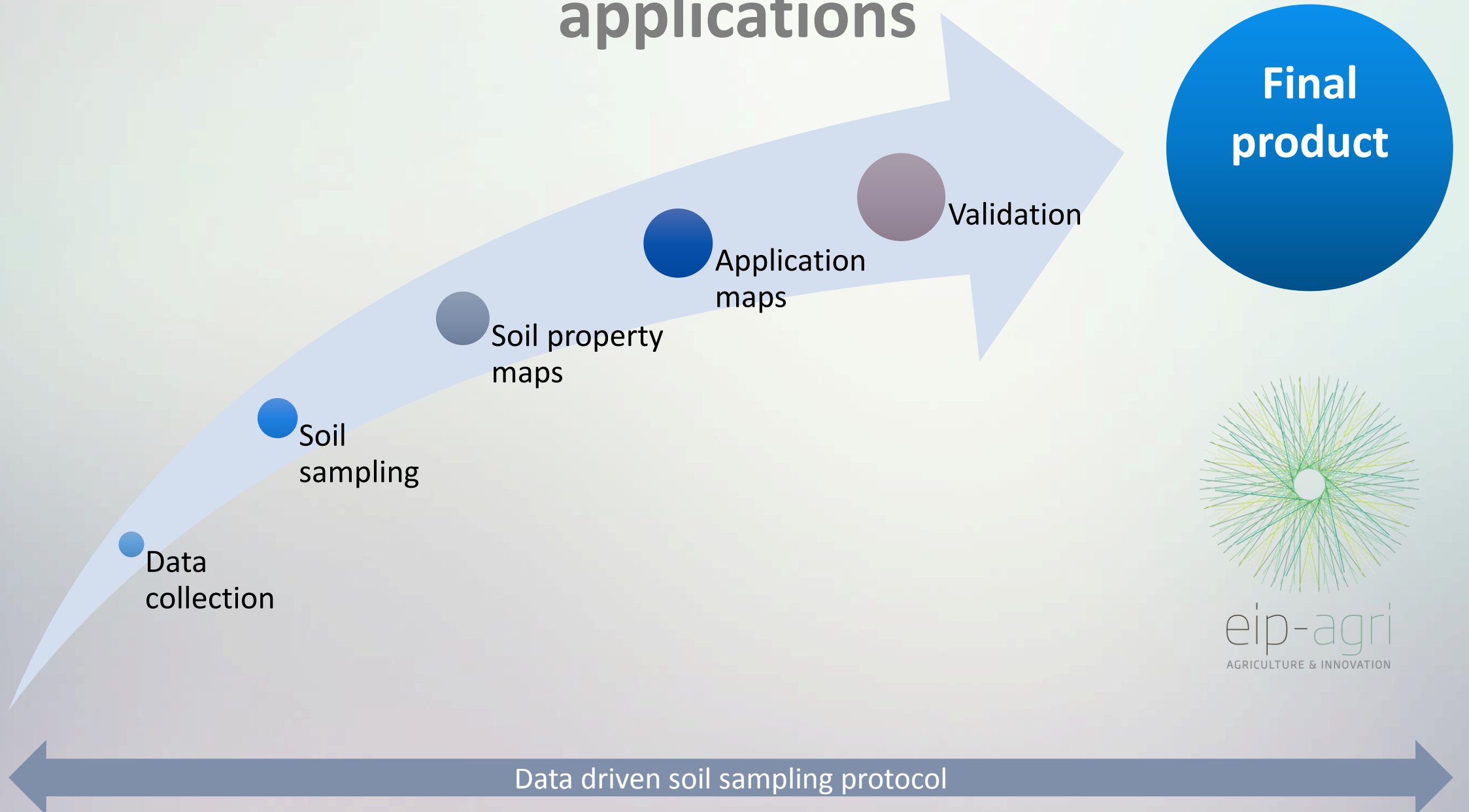


Base data for rural development

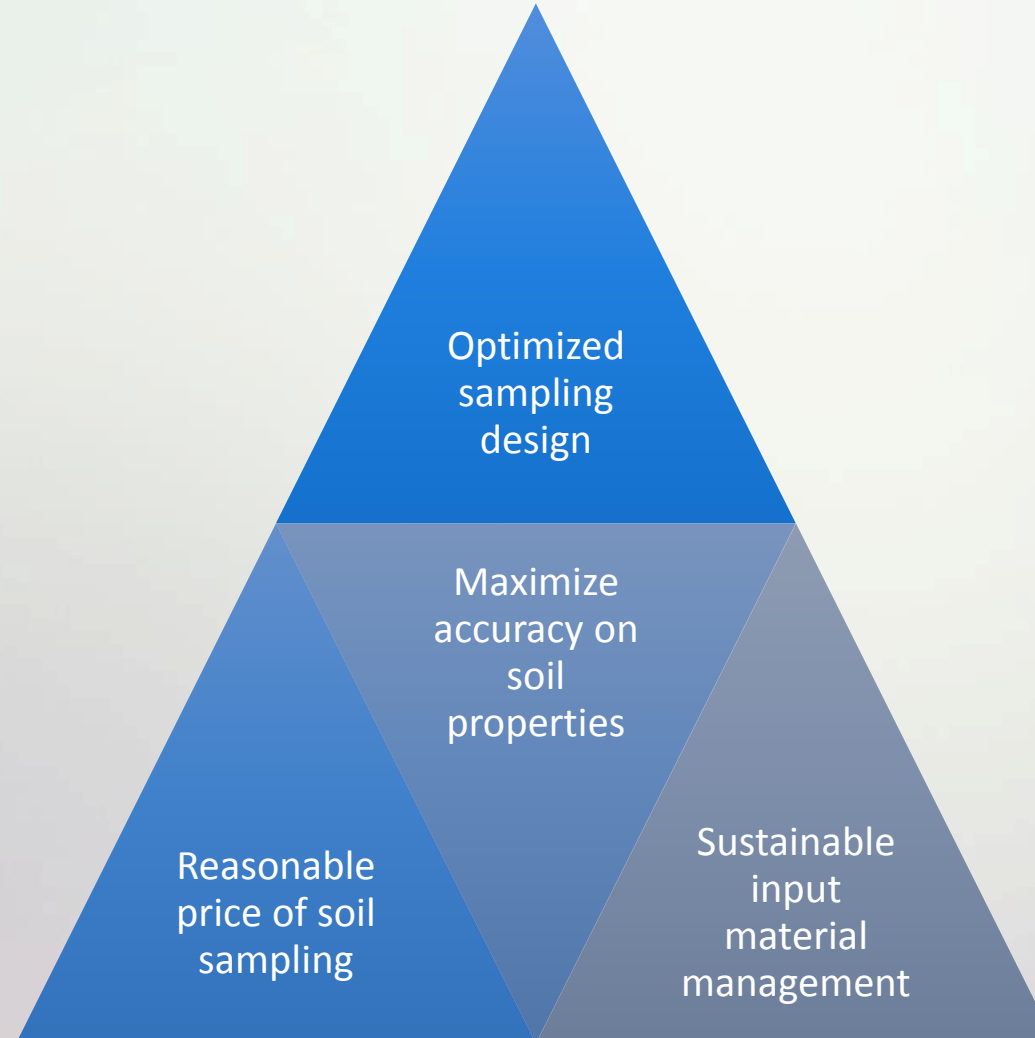


Soil degradation monitoring

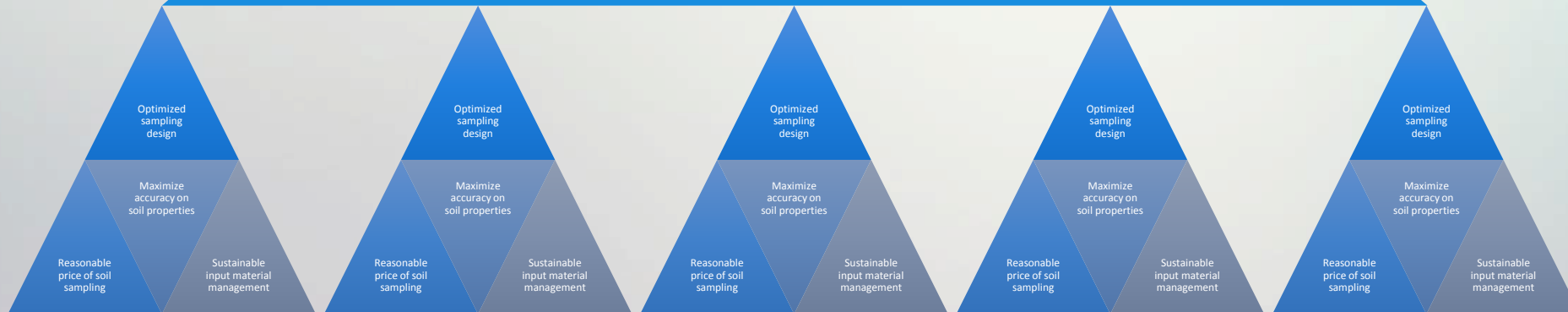
Data driven soil sampling protocol for precision applications



Expected results of the Data driven soil sampling protocol



Harmonized soil database system



THANK YOU!

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