



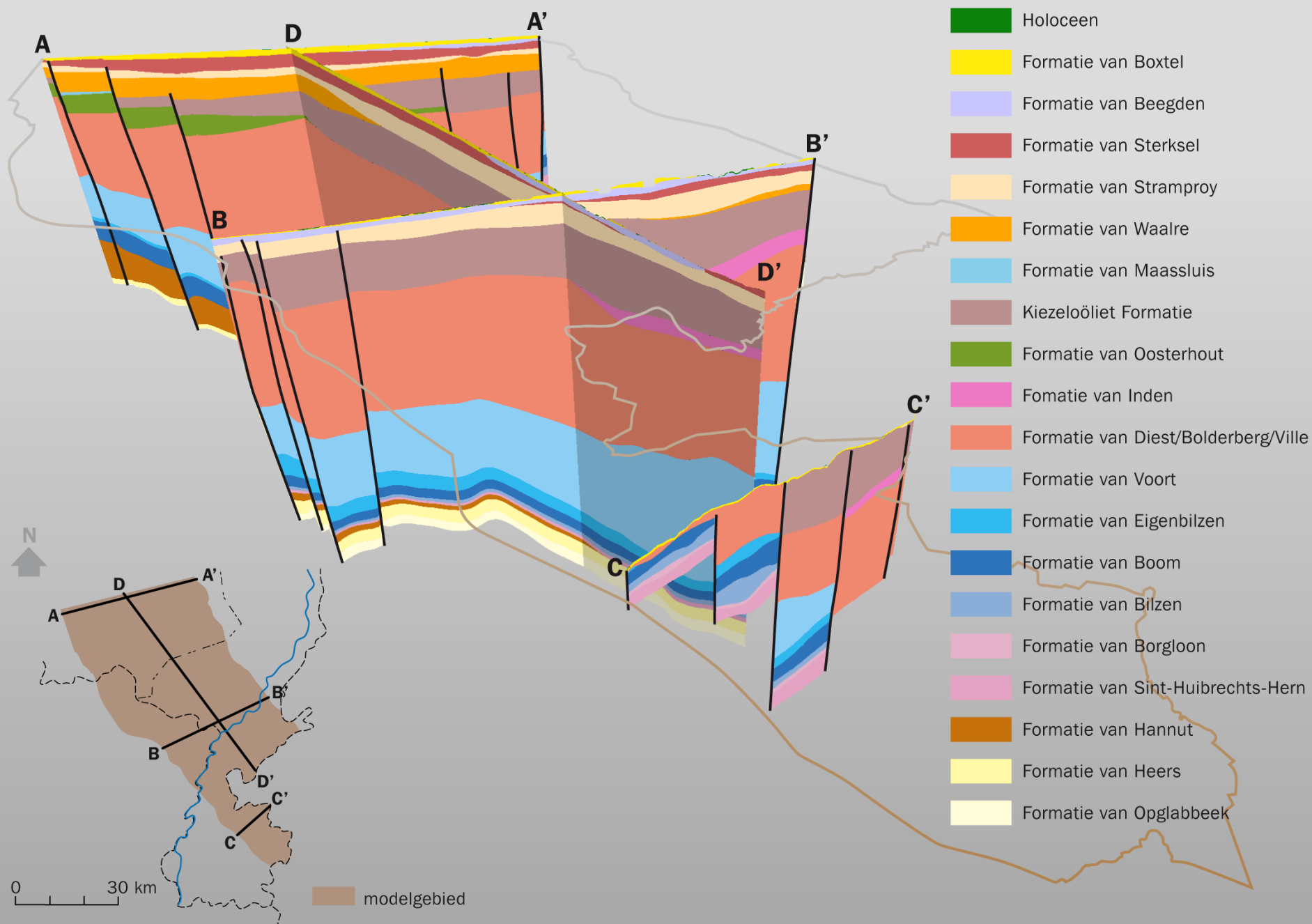
› OPPORTUNITIES FOR
INTERNATIONAL / EU
COOPERATION

TNO innovation
for life

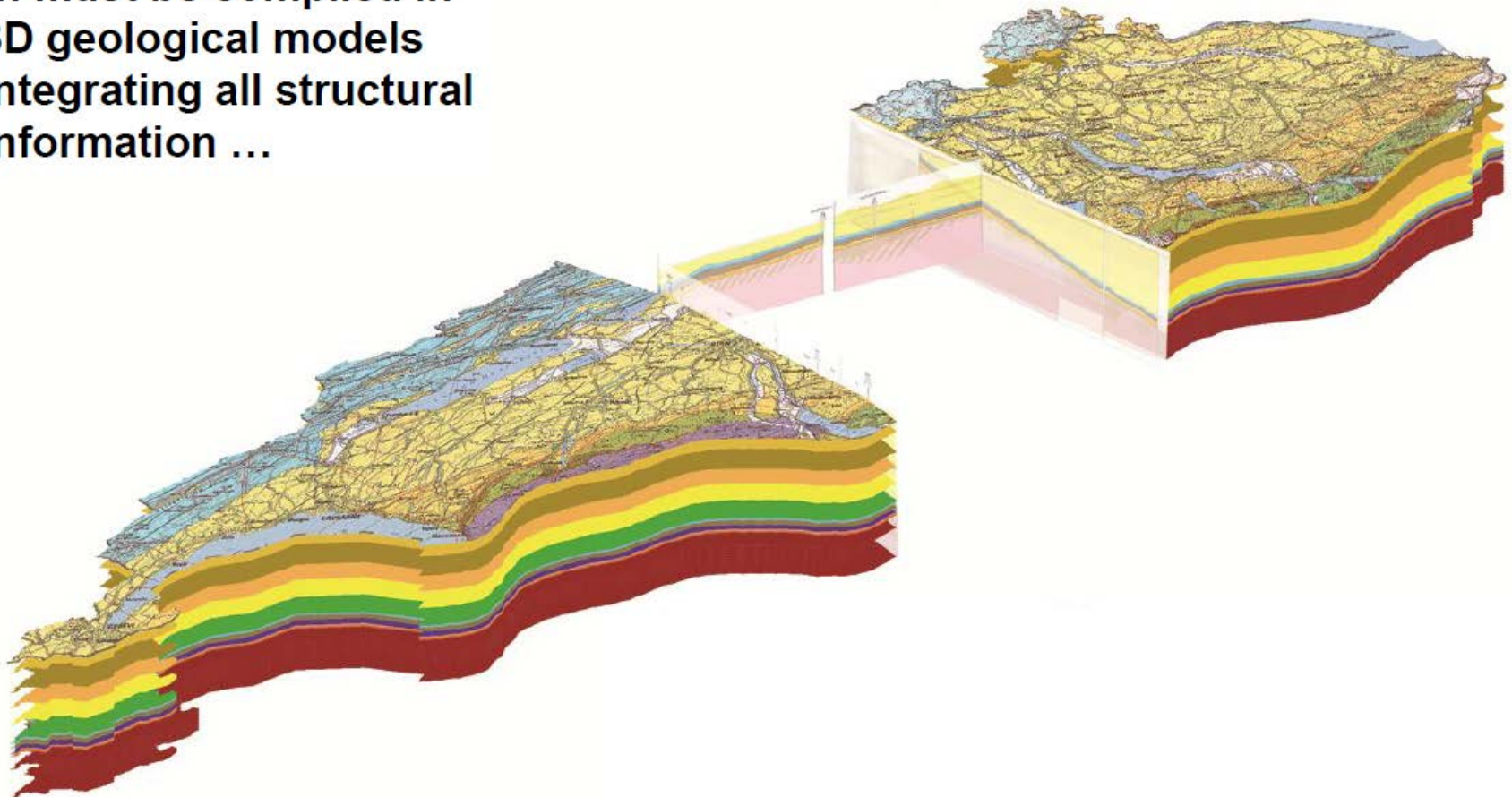
Hoogeveense Vaart



L'ANGLETERRE, isolée, peste de rage et en oubli presque l'IRLANDE qu'elle tient en laisse. L'ESPAGNE fume, appuyée sur le PORTUGAL. La FRANCE repousse les envahissements de la PRUSSE, qui avance une main sur la HOLLANDE l'autre sur l'AUTRICHE. L'ITALIE, aussi, dit à Bismarck : Ote donc tes pieds de là. La CORSE et la SARDAIGNE... un vrai Gavroche qui rit de tout. Le DANEMARCK, qui a perdu ses jambes dans le HOLSTEIN, espère les reprendre. La TURQUIE D'EUROPE baille et s'éveille. La TURQUIE D'ASIE aspire la fumée de son narguilh. La Suède fait des bonds de panthère. Et la RUSSIE ressemble à un croquemitaine qui voudrait remplir sa hotte.



... must be compiled in
3D geological models
integrating all structural
information ...





‘sewing model’

characteristics

- working in **parallel**
- division by **area**
- **common** standards
- **joined** result

advantages

- pragmatic, robust
- suits GSO mandates
- repeatable, updatable

optimised for

- **long-term viability**

‘knitting model’

- working **together**
- division of **tasks**
- **shared** standards
- **joint** result

- efficient use of resources
- learning opportunities
- integrated result

- **result**

traditional cofun



GSO 1



GSO 2



GSO n

European Geological Service

**Joint Research
with Impact at
EU Policy Level**

Applied and
policy oriented

Demand driven

**Harmonizing
and Sharing
pan-European
Geological Data
(EGDI)**

Raw data,
derived data, models

Standards &
harmonization
(INSPIRE)

**Sharing
Knowledge,
Capacities and
Infrastructure**

Capacity building
& exchange

De-fragmentation
& smart
specialisation

The Geological Surveys of Europe

The Geological Surveys of Europe

Demand driven

Standards &
harmonization
(INSPIRE)

De-fragmentation
& smart
specialisation



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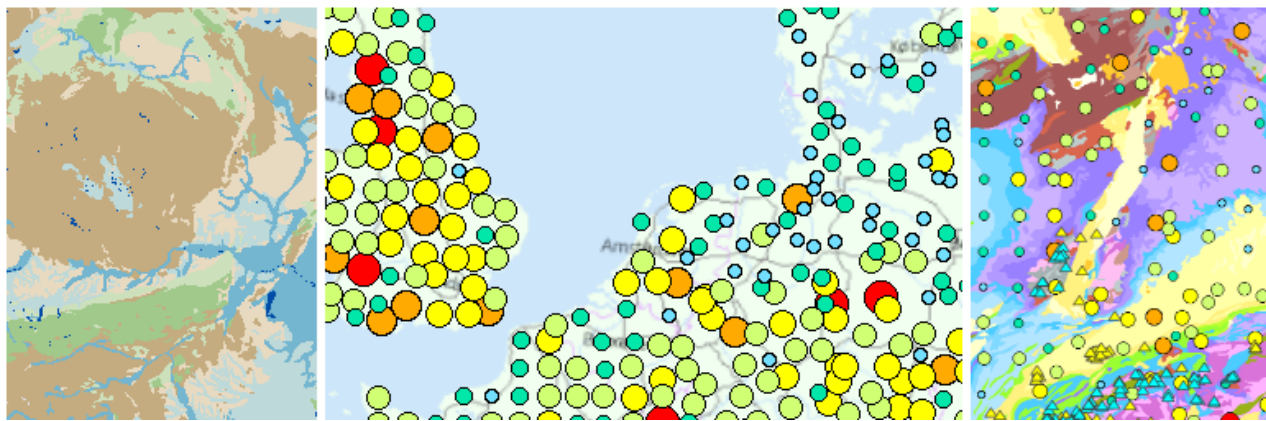
Welcome to EGDI

EGDI is EuroGeoSurveys' European Geological Data Infrastructure. It provides access to Pan-European and national geological datasets and services from the Geological Survey Organizations of Europe.

EGDI builds on the concepts described in the EU co-funded EGDI-Scope project and will be launched in a first version 14 June 2016 in Brussels.

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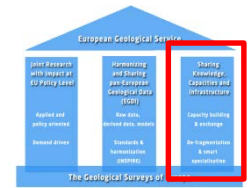
Interactive Maps





cross-thematic ERA-net on Applied Geosciences

- › for EU GSO's
- › in principal pan-European
- › opportunities for 3D mapping?
 - › energy
 - › groundwater
 - › raw materials
- › research to pilot
- › proposal submitted



what about sharing knowledge, capacities and infrastructure?

traditional cofun



GSO 1



GSO 2



GSO n

patched cofunding model

characteristics

- contracts per country
- agreement between countries

advantages

- flexible
- less competitive than EU funding

disadvantages

- complex governance
- contract **plus** relationships management

GOV 1

GOV 2

GOV n



GSO 1

GSO 2

GSO n

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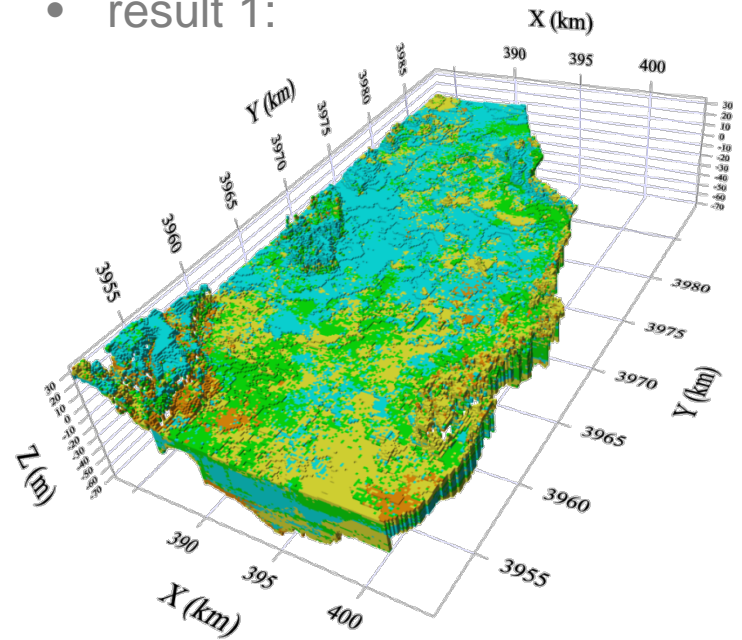
voxel
modelling

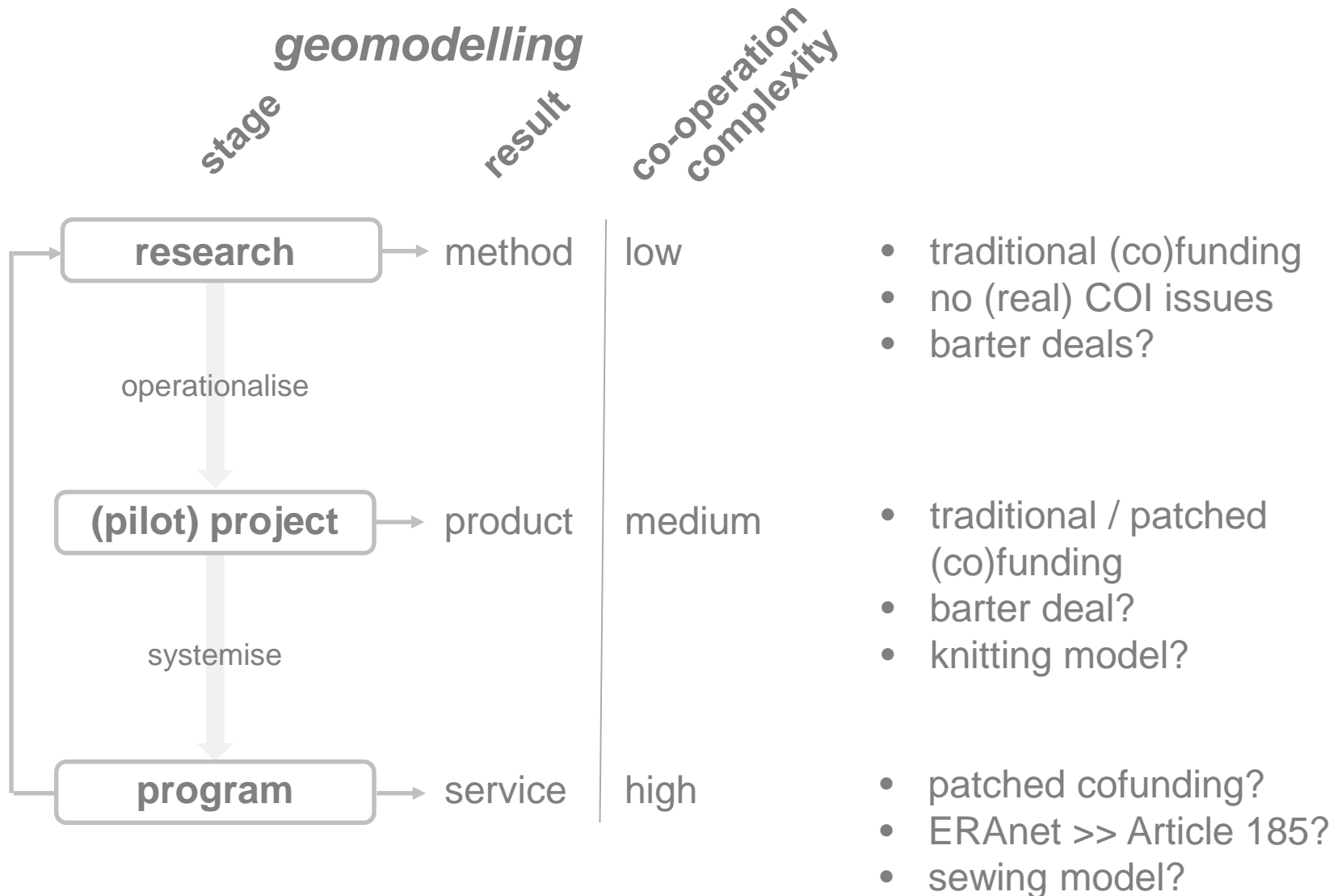


site
response

barter deal

- staff exchange
- gentleman's agreement
- no contract, no bill
- result 1:





CONCLUSIONS

- › cooperation among GSO's: easier said than (really) done
- › alternative cooperation models
 - › building projects: sewing vs. knitting
 - › alternative funding options
 - › patched cofunding
 - › barter deals
- › in geomodelling, we have demonstrated to be creative
- › let's use some of that in building cooperations