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From core referencing to data re-use: two French national initiatives to reinforce paleodata stewardship (National Cyber Core Repository and LTER France Retro-Observatory)

Fabien Arnaud, Cécile Pignol, Pierre Stéphan, A.L. Develle, P. Sabatier, O. Evrard, Brice Mourier, Maxime Debret, Cécile Grobois, Laurent Millet, et al.

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Fabien Arnaud, Cécile Pignol, Pierre Stéphan, A.L. Develle, P. Sabatier, et al.. From core referencing to data re-use: two French national initiatives to reinforce paleodata stewardship (National Cyber Core Repository and LTER France Retro-Observatory). 5th PAGES Open Science Meeting, May 2017, Zaragoza, Spain. 10.1038/sdata.2016.18 . hal-01616109

HAL Id: hal-01616109

<https://hal.science/hal-01616109>

Submitted on 26 Nov 2019

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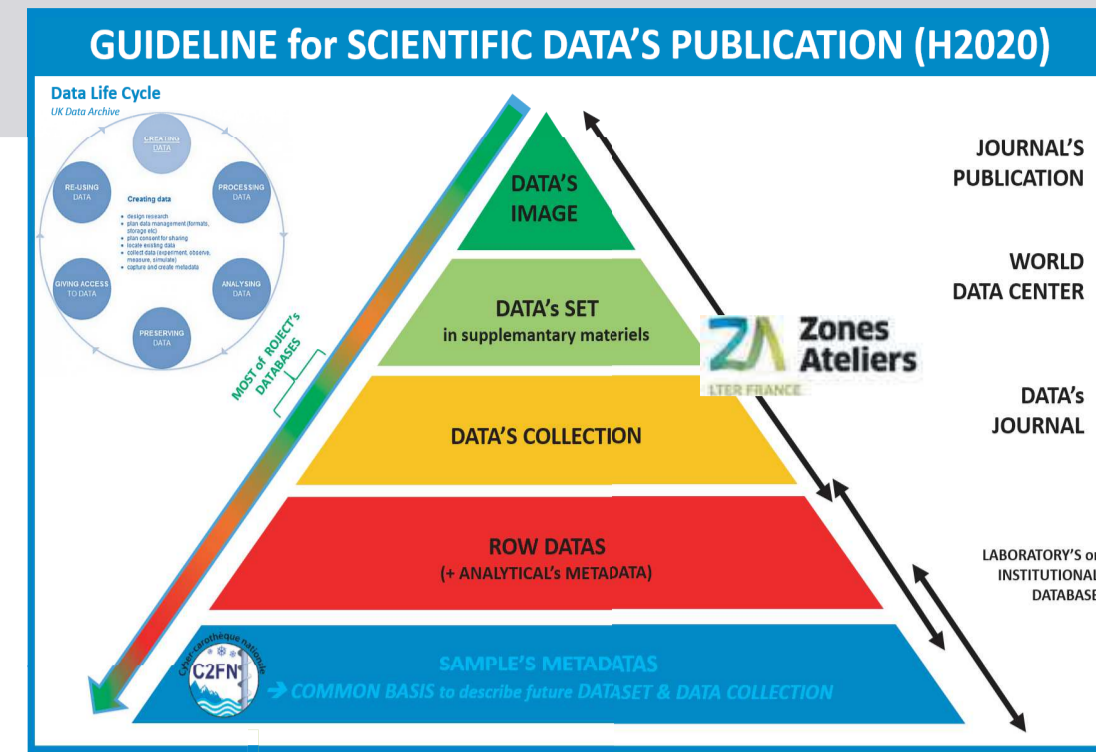
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FROM CORE REFERENCING TO DATA RE-USE :

two french national initiatives to reinforce paleodata stewardship



National Cyber Core Repository



LTER France Retro-Observatory "ROZA Project"

Data selection

SITES & CORES

2015

Reference's Sites

PRIMARY DATA (mandatory)

- PHOTO & LOG
- AGE MODEL (radionuclide)
- LOGGING (XRF)
- GRANULOMETRY
- LOSS and IGNITION

OTHERS DATAS (optional)

OTHERS ANALYSIS

Data standardisation

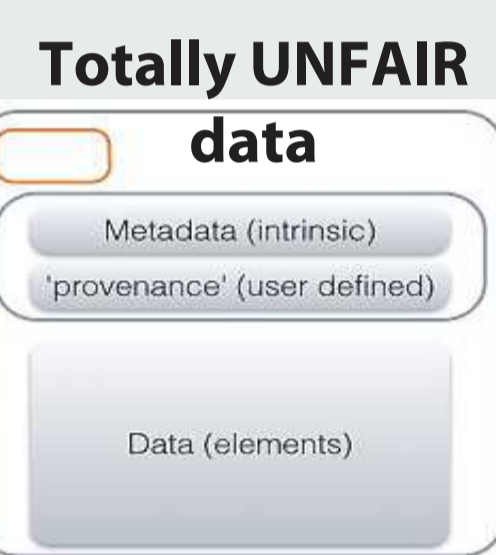
Core description



Campaign report



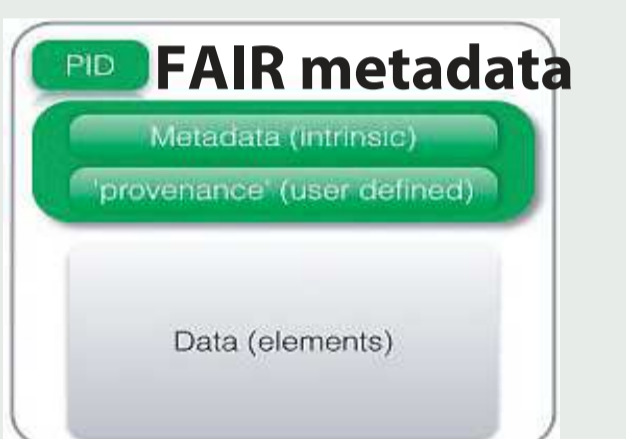
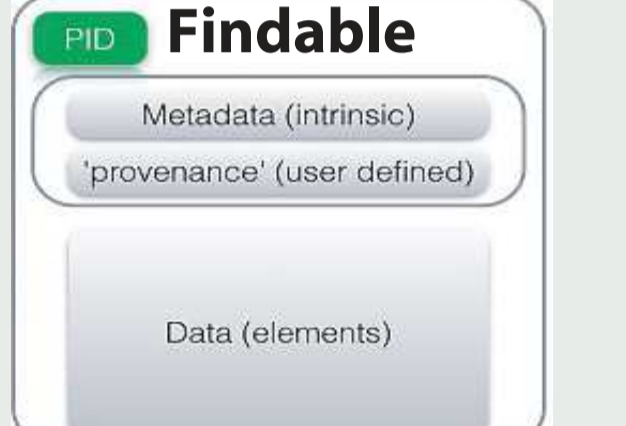
2016



PROTOCOLS + VARIABLES

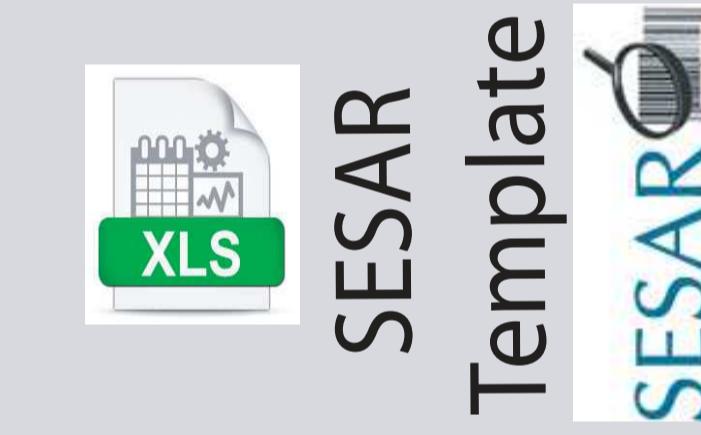
- Which analysis
- Protocole description
- Analytical device parameters
- Description of variable, unity
- Reuse (licence, citation)
- Publication DOI and/or Dataset DOI

Usable for human



Data gathering procedure

C2FN Core Book or Import core legacy



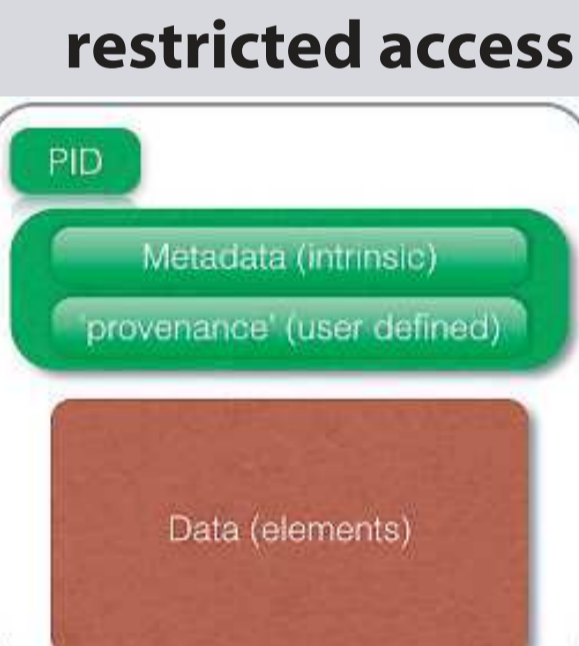
2017



Project-oriented gouvernance Portal LTER France



FAIR data-restricted access

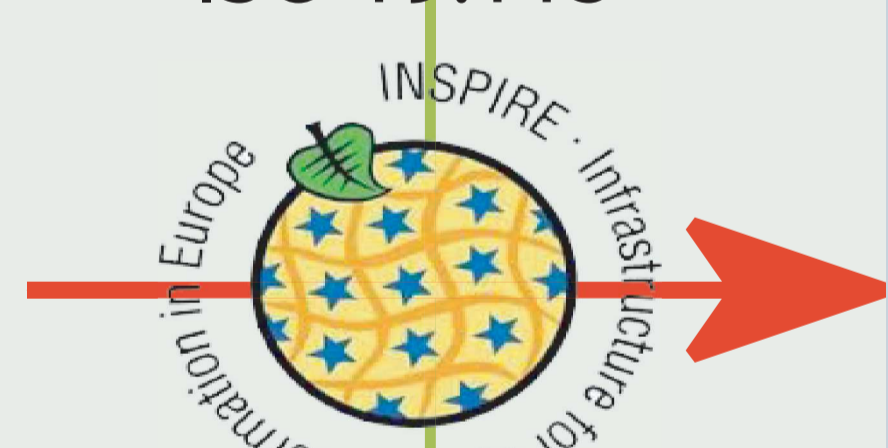


Data display

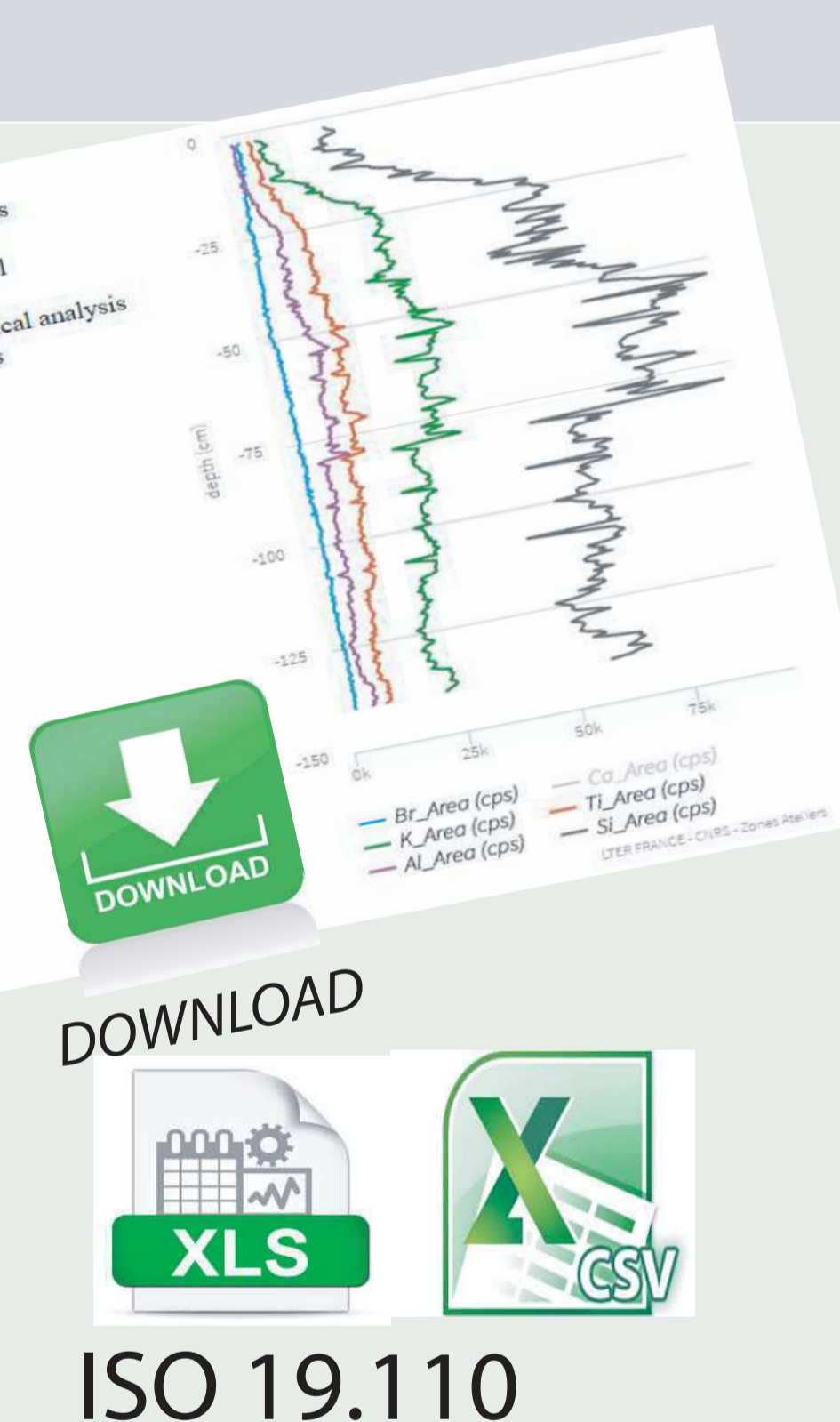
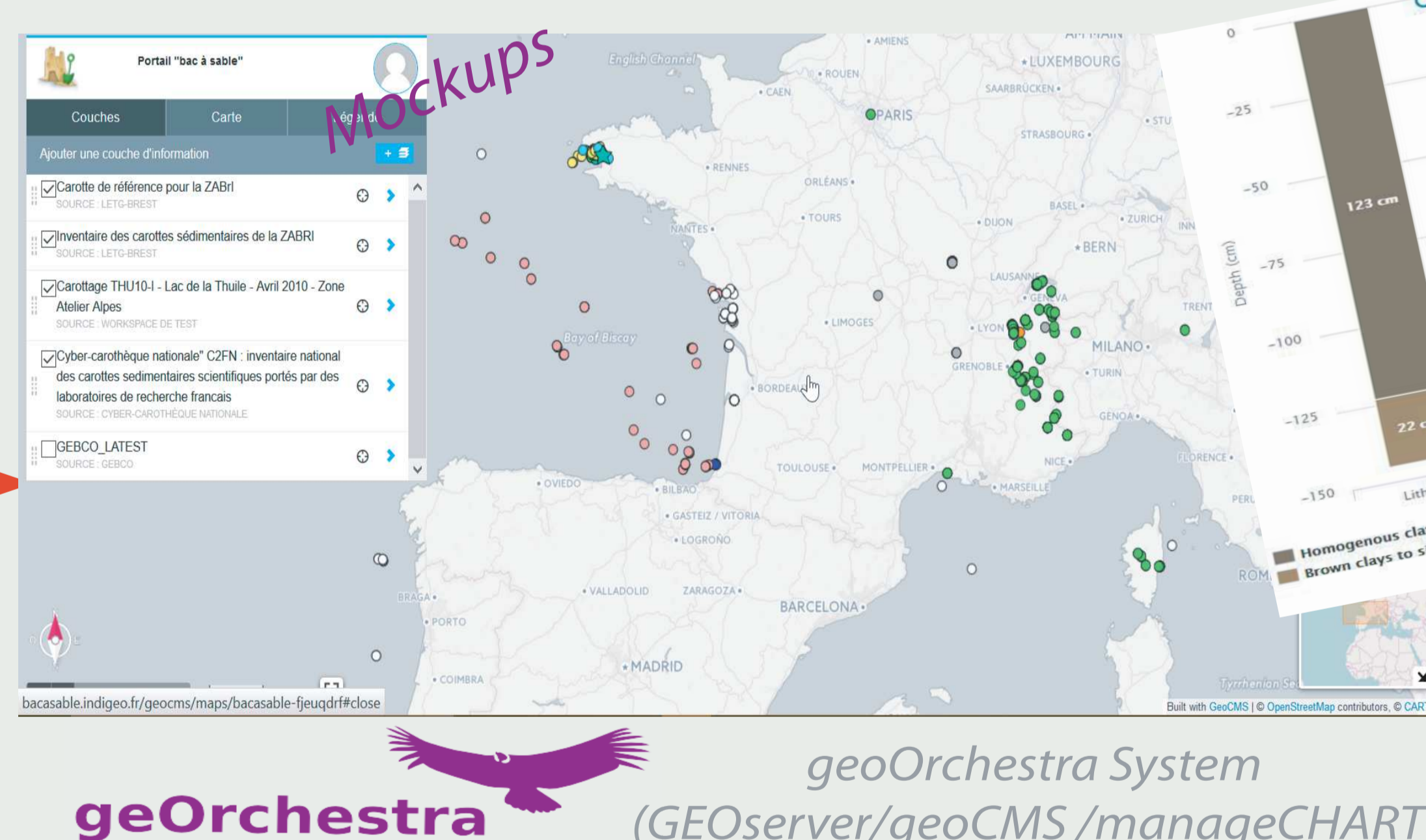


2017/18

Cataloguing ISO 19.115



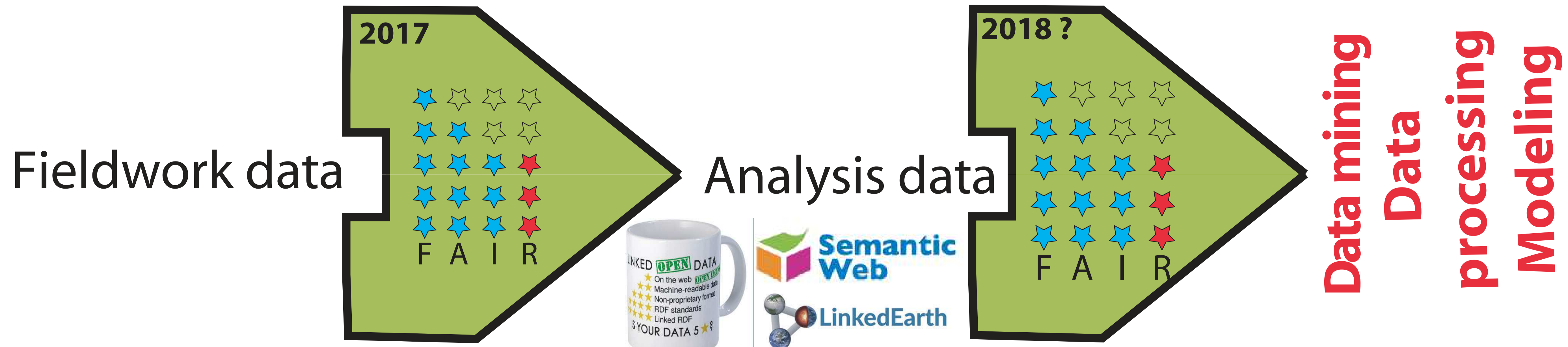
Webservice WFS ISO 19.139



ISO 19.110

In 2020, we'll be F.A.I.R. ! Findable, Accessible, Interoperable, Reusable

H2020 v3.0, 2016 Principale guide line / Wilkinson, M. D. et al. The FAIR Guiding Principles for scientific data management and stewardship. Sci. Data 3:160018 doi: 10.1038/sdata.2016.18 (2016). https://www.force11.org/fairprinciples



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