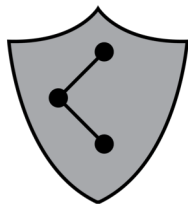


Version 1.0

Hands-on and upcoming updates

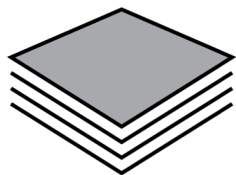
*Rémi Charton | Kofi Owusu
Jonathan Redfern
Giovanni Bertotti*

| NARG GIS Database



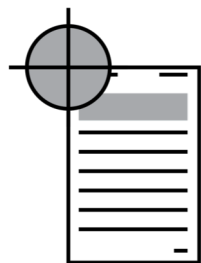
Accessible online / secure platform

ArcMap / QGIS & more coming



> 40 layers

Continuously QC-ed by NARG academics



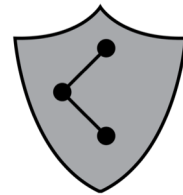
Updates for every Ph.D. Thesis

Literature data up-to-date

| NARG Server & Website



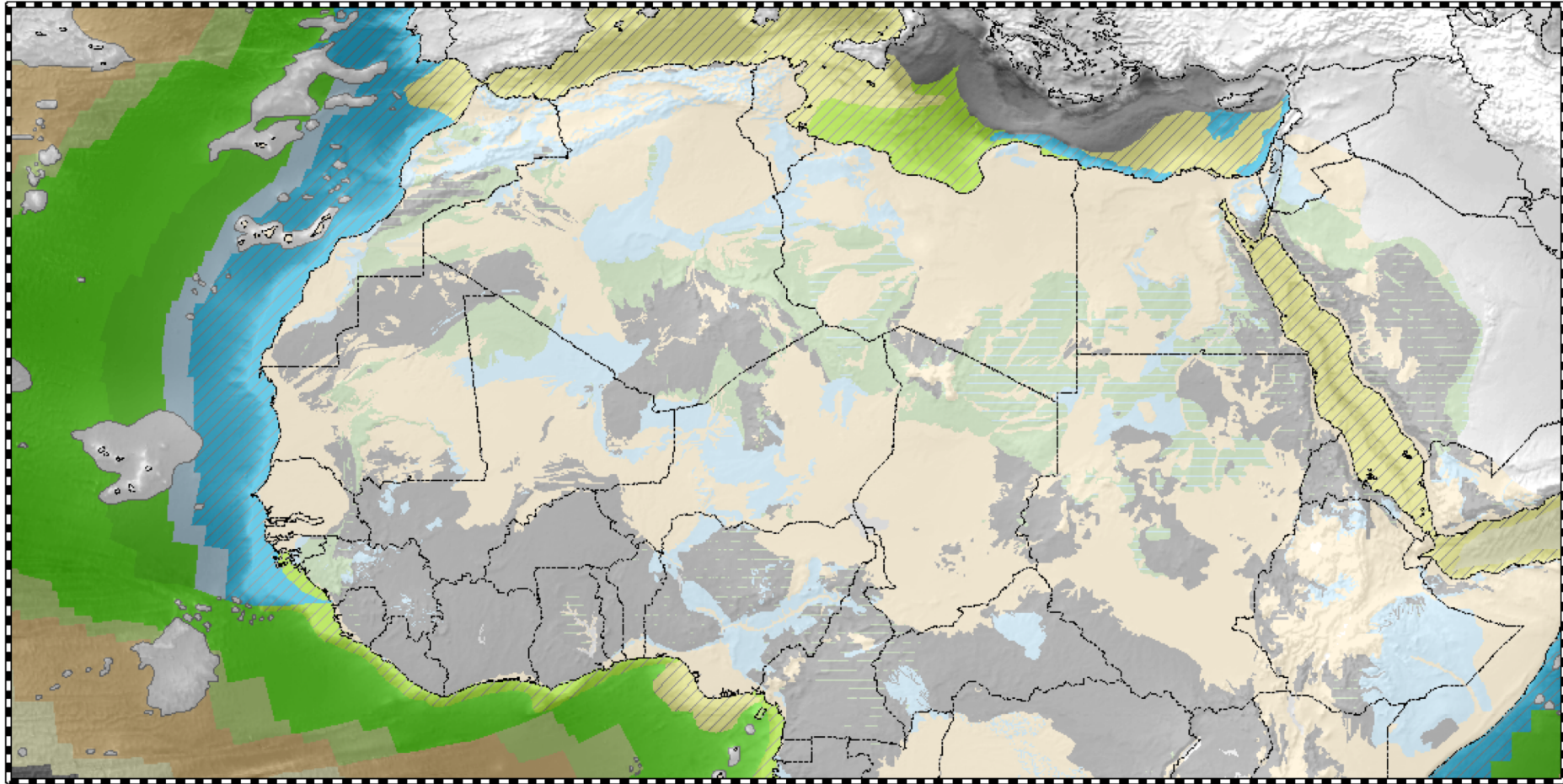
<https://narg.seaes.Manchester.ac.uk/login1.php>



NARGSPONSORS2019_XYZ3



| Hands-on...



| Road map 2020



- **Version 1.1 | Fall 2019**
 - Digitizing the east part of the **geological map** of North Africa
 - **Structural features** layer including faults from North Africa map
 - Up-to-date concession blocks, well and seismic location in **Morocco** (ONHYM)
 - Modified **well location** layer to include availability to NARG and well results
 - More data (Leonardo and Jianpeng's theses)
 - QC of industry data
 - More platforms (ArcGIS Pro and some layers in Google Earth)

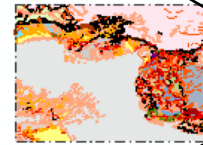
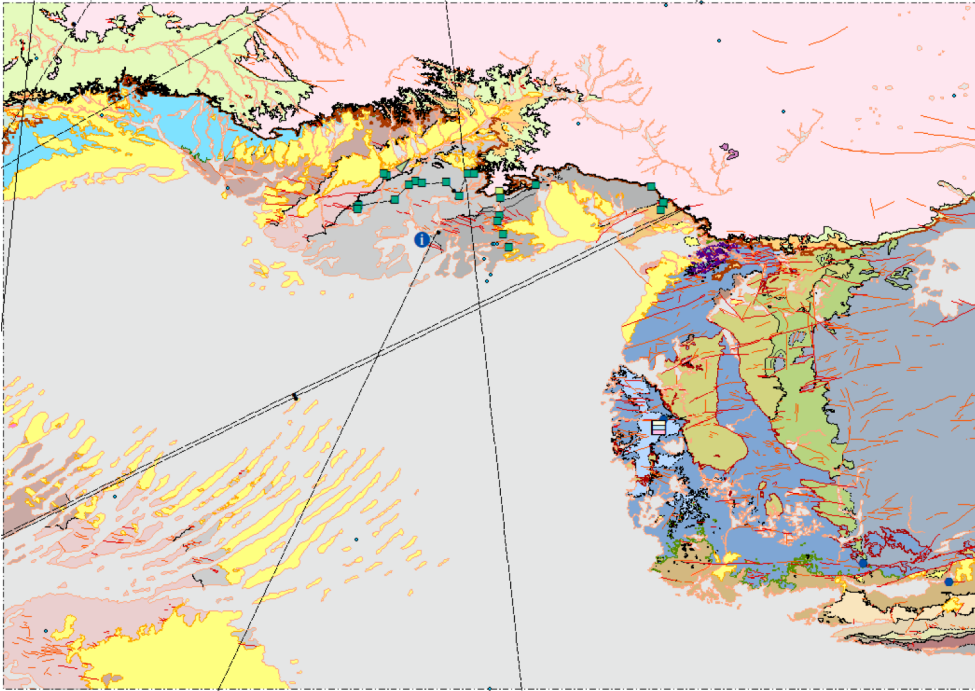
- **Version 1.11 (data update) | Winter 2020**
 - Adding **NARG data** in remaining layers

- **Version 1.12 (data update) | Spring 2020**
 - Literature reviews: **palaeontology** (lead: Luc), subsidence, and diagenesis
 - NARG **interpreted** and literature **seismic lines**
 - Recent NARG PhD theses and publications

- **Version 1.2 | Summer 2020**
 - **All data up-to-date**
 - New **structural layer** (lead: Giovanni/Pierre-Olivier)



| First spin-off: the Gargaf database



- NARG GIS Database clipped
- Access to all data within clip
- High-res. hand-corrected geological map
- Several NARG PhDs (surface and subs.)
- One NARG M.Sc. currently involved
- In collaboration with
 - David Boote (regional geology)
 - Frans van Hoeflaken (geology and GIS)
 - David Hodgetts (potential 3D)

Thank you

| Feedback & Questions



| Research group sponsors

North Africa Research Group

www.narg.org.uk

