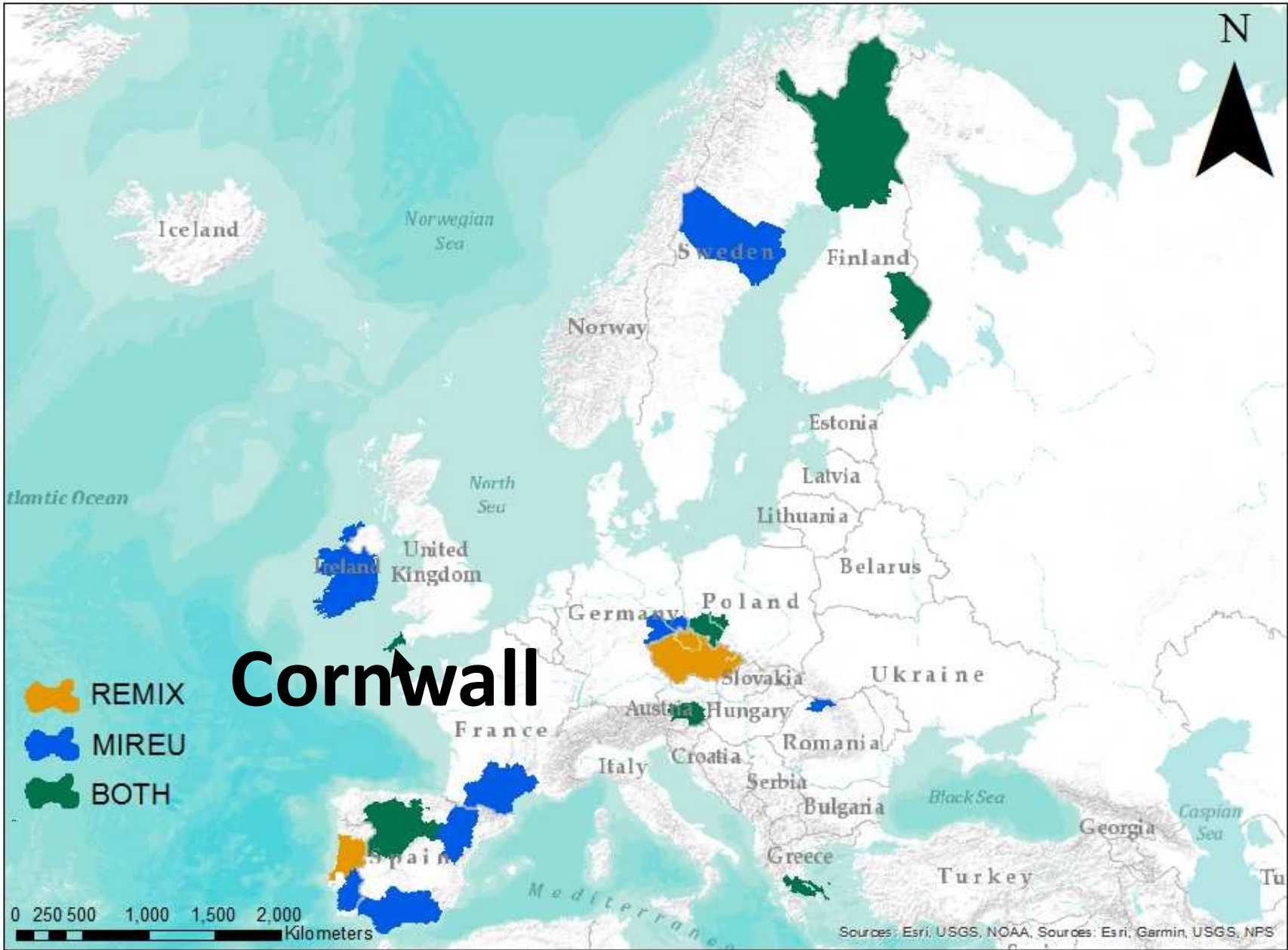




Deep Digital Cornwall: Mining in the Local Industrial Strategy Research with 40 SMEs

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Cornwall

UNESCO Cornwall and West Devon
Mining Landscape World Heritage Site
Photo Ainsley Cocks

- REMIX kick-off meeting
- Visited Kemi chromite mine Lapland, largest underground mine in Finland
- With 'stakeholders' from Cornwall Council



Frances Wall



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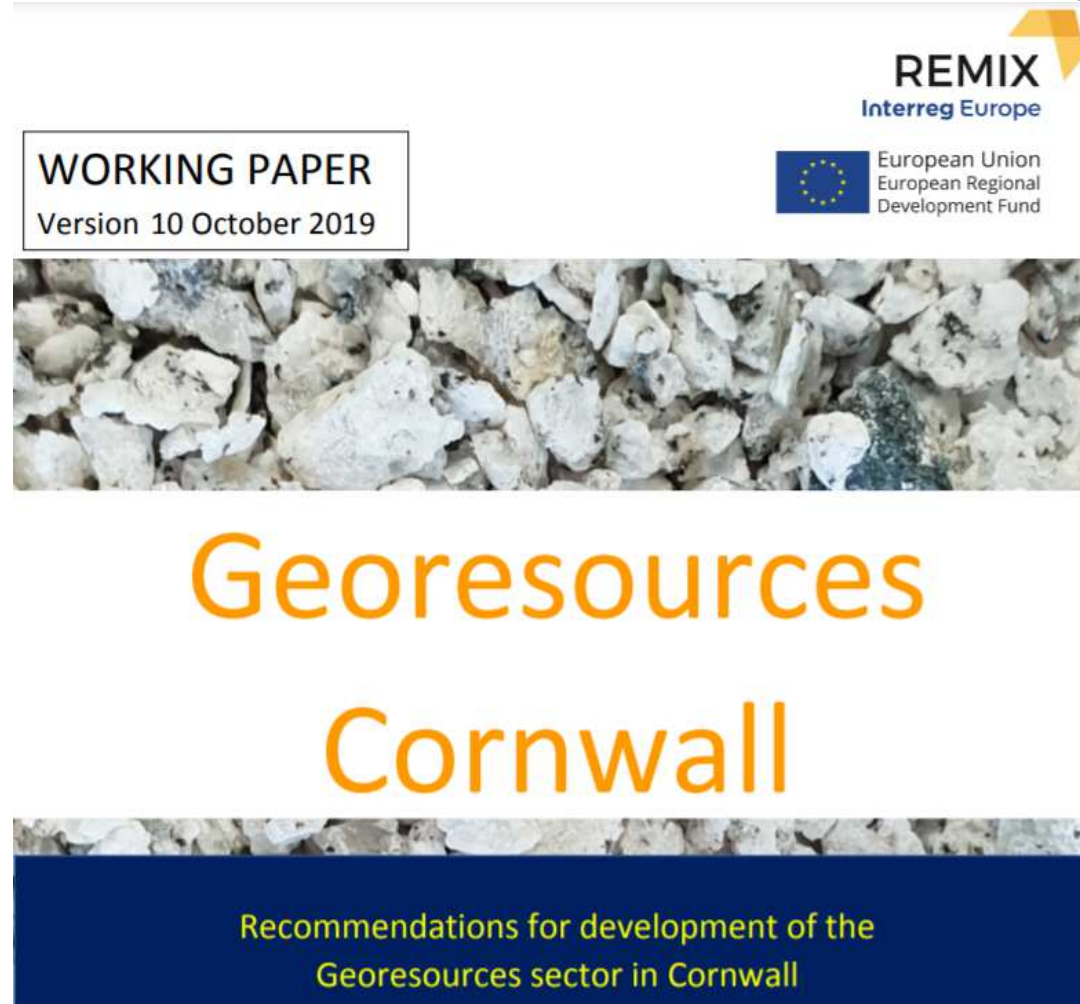
From Kari Poikela presentation at REMIX kick off meeting







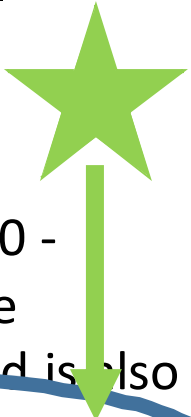
REMIX provided evidence and ideas to regional planning



http://emps.exeter.ac.uk/media/universityofexeter/emps/csm/csmresearch/Georesources_Cornwall_version_10_Oct.pdf

Cornwall and Isles of Scilly Local Enterprise Partnership and Cornwall Council

***** Mining is (back) on the regional agenda *****



Extract from The Cornwall Plan - in 2050 - 'Cornwall is a global leader in innovative renewable and marine technologies, and is also a major supplier of the minerals such as lithium which are needed in a decarbonised economy. This growth in our green and blue economy is supporting thousands of well-paid jobs for people in Cornwall.'

Our ambitions to lift performance across the economy	Lifting productivity b Expanding the breadth and depth of our niche, Improving the quality of jobs and business performance in our high growth sectors, Building capability and capacity in emerging strengths; growth sectors with above average productivity, Promoting quality of opportunity and efficiency across the wider economy		
	Place: A thriving network of connected and innovative businesses, equitable access to opportunities, strengths and opportunities of our cultural assets		
Distinctive opportunities/USPs	People A skilled, healthy and inclusive workforce that feels inspired and valued, enjoying quality of life, a living wage and pride of place.	Infrastructure A fully connected economy, built environment, and transport system powered by a zero-carbon smart grid and accessible green infrastructure.	Businesses Productive businesses working to improve local supply chains and CloS capabilities from a circular economy
	Clean energy resources Capitalising on our unrivalled natural resources; leading innovation in floating offshore wind (FLOW) and deep geothermal.	Geo-resources Harnessing our expertise as well as the critical minerals necessary for the low-carbon transition, in a sustainable way.	Data and space Exploiting the unique physical, digital and intellectual assets in the region, and using data to overcome local and global challenges.

Digital Smart Specialisation – and mining

We used REMIX Cornwall peer review workshop to help, May 2018

Digital economy

(Facilitator Tony Hartwell)

1. Exploration – multiple uses of EO data, digitisation of existing data. Good to do at exploration stage – which can be done with public money and made available to all.
2. Life time monitoring of extractives by EO etc (CMA could do)
3. Mining legacy management (Cornwall)
4. Database of mineral rights/mining leases (Cornwall)
5. Digital hub for mining (CSM and others)





4000 years mining, 116 members, worked in 155 countries, World class China Clay, 8 active georesources exploration projects

Global Mining Services

Cornish mining expertise has been famous throughout the world. Today, we have over 200 companies based in this part of the UK that are involved in all aspects of mining services. This site will help you find the service or solution you need.

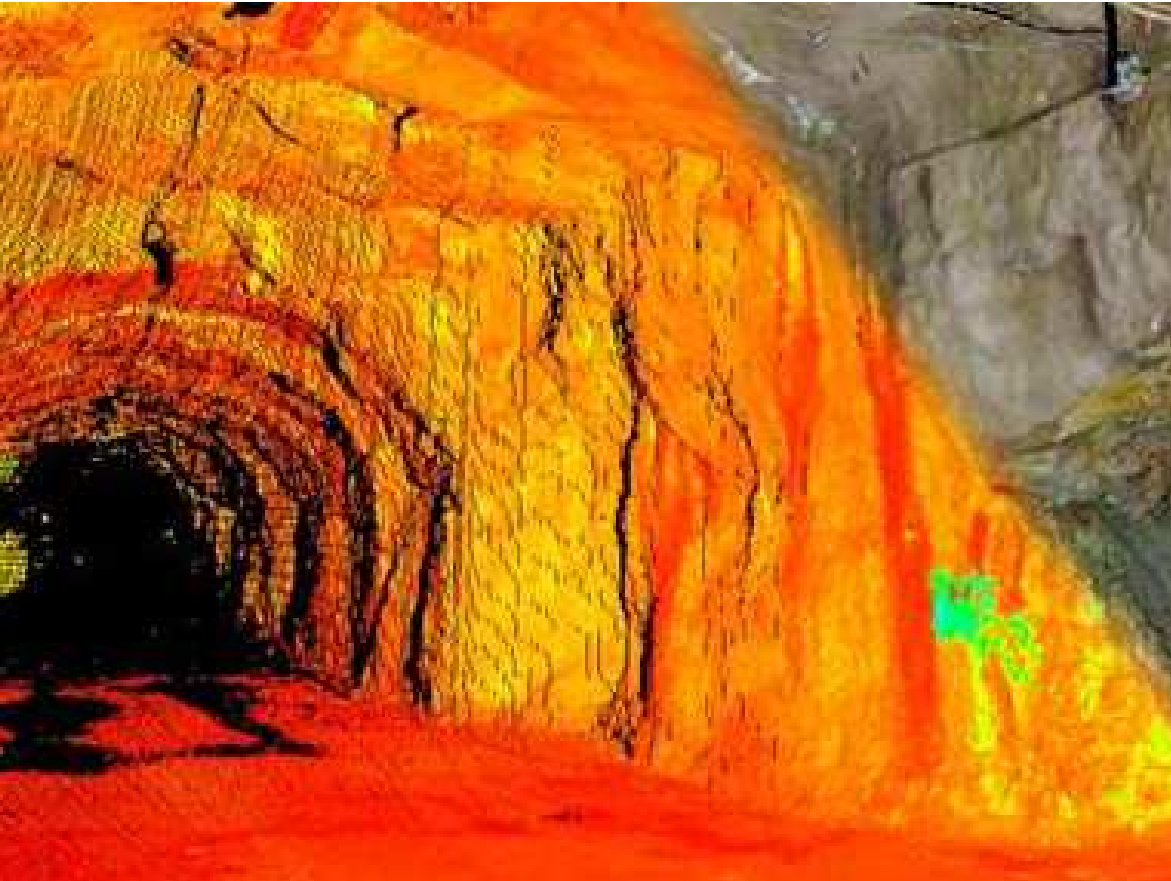
[Find Out More](#)

Discover innovative services & expertise for global mining industries

Cornwall Mining Alliance:

- Geological
- Mineral processing
- Mining engineering and surveying
- Environmental and social
- Energy
- Software and digital
- Analysis and testing
- Research and training
- Contractors and supply chain
- Professional support services
- Mines and quarries
- Mining heritage
- + Digital clusters, e.g. Software Cornwall

Deep Digital Cornwall



- Research to develop new products and services and grow the sector related to the digital underground in Cornwall
- Digital hub in Cornwall
- £4 million (€4.6 million) project
- Research and Innovation
- 40 SMEs in Cornwall and Isles of Scilly
- Camborne School of Mines /
- Institute of Data Science and Artificial Intelligence
- Two exploration company delivery partners
- Cornwall Resources, Cornish Lithium
- SW Centre of Excellence in Satellite Applications

Cornwall

- Used digital smart specialisation for new Deep Digital Cornwall project to boost SME ‘underground’ sector
- Mining high regional priority again, integrated approach to georesources, ‘led by lithium’
- New initiatives coming – incl. circular economy research,

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