



UNECE



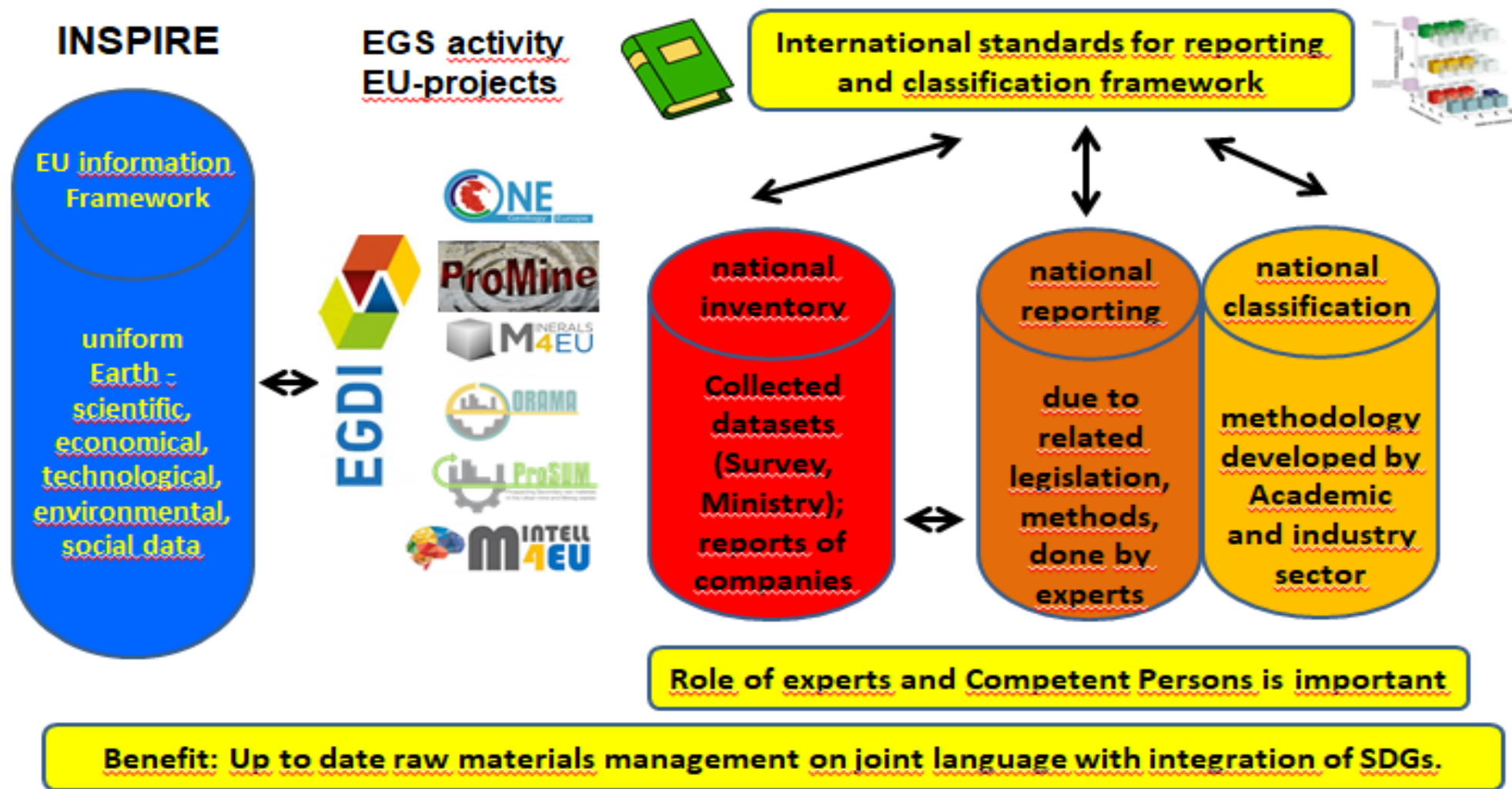
UNFC in Europe: a review of good practices from Geological Surveys

Zoltán Horváth Dr. MBFSZ

Raw Materials Week 2020. 19th of Nov. UNFC Europe: Ensuring sustainable raw material management to support the European Green Deal

40 Years Listening to the Beat of the Earth

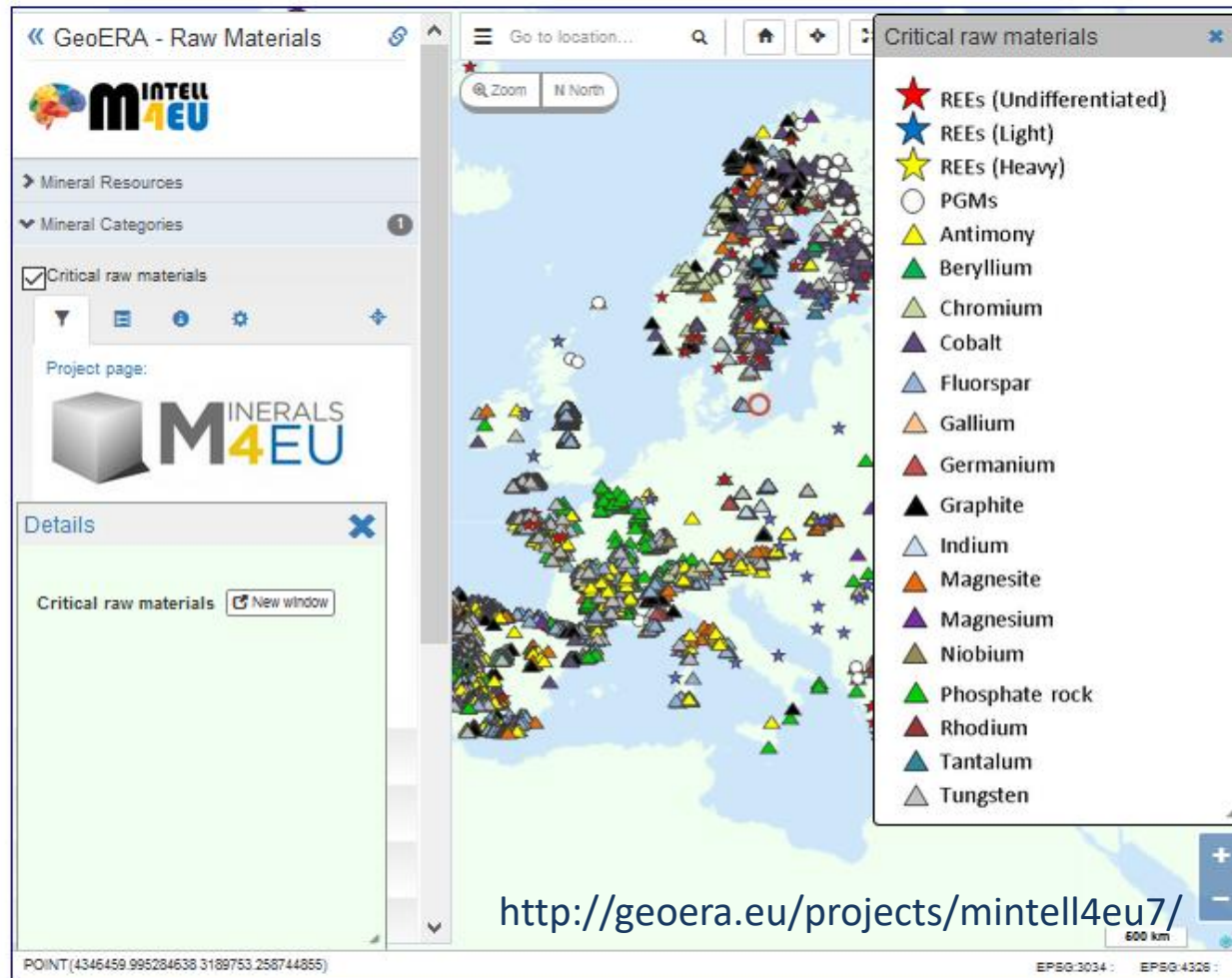
Harmonization by UNFC to good practices



GEOERA - MINTELL4EU - some supporting documents



Co-ordinator: Geological Survey of Denmark and Greenland (GEUS)



Optimizing quality of information in RAW Material data collection across Europe

Deliverable 1.4
Draft good practice guidelines for
harmonisation of resource and reserve data

Title of the project: Optimizing quality of information in RAW Material data collection across Europe - GRAMA
Grant Agreement number: 778517
Funding Scheme: H2020 - SC5-15-2017 - GSA

A GUIDANCE FOR THE APPLICATION OF THE
UNFC-2009 FOR MINERAL RESOURCES IN
FINLAND, NORWAY AND SWEDEN



SGU
SveMin
GTK

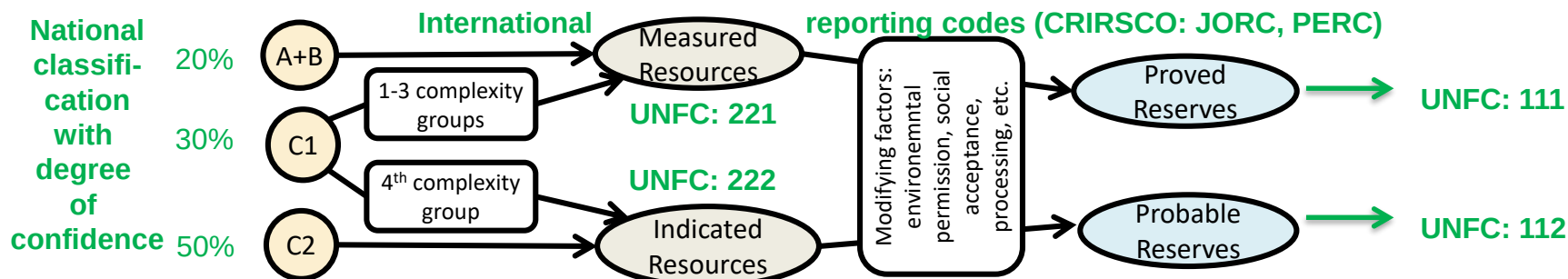
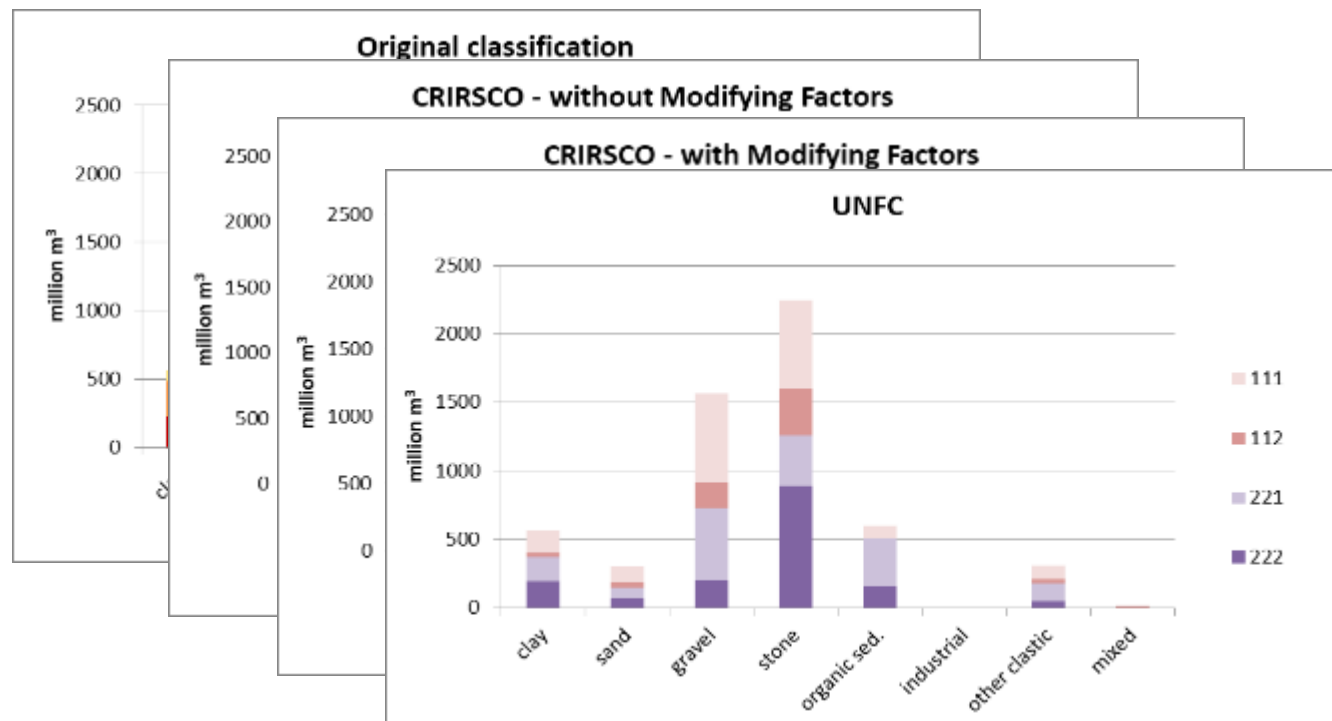


EuroGeoSurveys - The Geological Surveys of Europe



COUNTRY_NAME	Experience in the EGS MREG	Representation	Mapping	Case studies	Harmonization (yes/can)	Guidance: exist, progress, involvement)
Albania						
Austria				aggregates, anthropogenic		MINTELL4EU
Belgium				phospate, limestone		MINTELL4EU
Bosnia and Herzegovina						
Bulgaria						
Croatia				limestone, aggregates, ns?, gr		MINTELL4EU
Cyprus			developing	knowledge, intention		
Czech Republic						
Denmark				limestone, aggregates (m)		MINTELL4EU
Estonia						
Finland				gold, Co, Cu,		MINTELL4EU
France				hydro, renewables		
Germany				e.g. anthropogenic		
Greece						
Hungary				all min. res., mine w.		MINTELL4EU
Iceland						
Ireland						
Italy						
Netherlands						
Norway				Cu, Co, Phos, agg., ns., gr, OG		MINTELL4EU
Poland						
Portugal				metallic, non-met., E		MINTELL4EU
Romania						
Serbia and Montenegro						
Slovakia						
Slovenia				Limestone		MINTELL4EU
Spain						
Sweden				REE		MINTELL4EU
Switzerland						
Ukraine				graphite		MINTELL4EU
United Kingdom				ores, aggregates		

From national inventory to the UNFC via CRIRSCO



Transdanubia
-Hungary

*Supporting
tool to
resource
management
and planning*



Towards developing good practice



- **Data collection:** based on official data, reports (authority, survey, public)
- **Data type:** resource inventory (volume, state of mine, exploration area, categories by national/international systems), existence of permissions
- **Harmonization:** in EGDI with UNFC; all EGS Members work on it.
- **Competency:** significantly increasing
- **Cases:** for all commodities (MINTELL4U: 26).
- **Lessons to learn:** team work, can be done
- **Communication-co-operation** between National Geological Surveys and responsible Ministries provides UNFC data to the EC DG Grow.
- **Challenges:** data and capacity and time





Thank you for your attention

www.eurogeosurveys.org,

www.unece.org,

<https://orama-h2020.eu>

www.mbfsz.gov.hu

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40 Years Listening to the Beat of the Earth