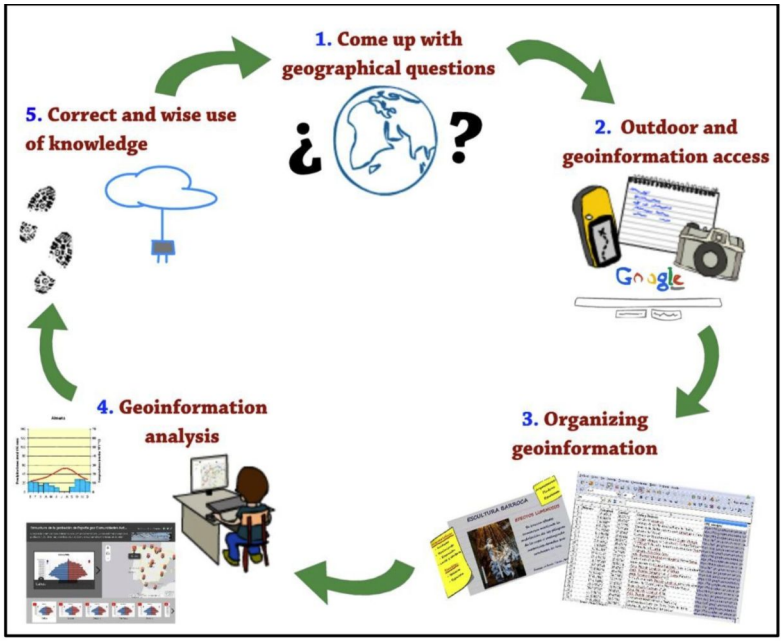
EUROGEO's contribution to European geography and education

Rafael de Miguel González

Table 13: Learning lines and geographical inquiry process (De Miguel, 2016)

	Zwartjes	***Roberts***	***Kerski***	***Araya, Souto and Herrera***
Level 1	Perceiving	Creating a need to know	Asking geographical questions	Perceiving geographical environment
Level 2	Analyzing	Using geographical sources as evidence	Acquiring geographical resources	Analyzing geographical environment
Level 3	Structuring	Making sense of geographical information	Exploring geographical data	Interpreting geographical environment
Level 4	Applying	Reflecting on learning	Analyzing geographical information	Acting on geographical environment
Level 5			Acting on geographical knowledge	



School on the Cloud

‘24/7/365 @Learning’

Can education organizations take advantage of the potential offered by the Cloud? What prevents innovative leadership from pushing for change? What barriers are there to implementing the use of the Cloud in education? Working Group 1 (WG 1) ...

Are you an innovative teacher? What does that mean? What’s the role of the teachers in education today and in the future? Will coaching and providing a useful learning environment for students be more important? How will you help students making their own learning path and finding out different learning styles? ...

The most difficult aspect in developing and applying ICT in any endeavour is the ability to evaluate mid – to long-term future perspectives. WG4 will seek to evaluate such future developments as they relate to education and cloud technology. In other words examine “Future scenarios for Education on the Cloud”. ...

Using the Cloud makes the potential of personalised learning a reality. But what exactly do we mean by ‘personalised learning’? Is it individualised learning, independent learning, self-organized learning or what? How do we fit personalised learning inside existing formal and non-formal education? If it improves motivation for learning, what about the effectiveness of learning? ...

EUROGEO, GEO-PROJECTS AND INNOVATION IN EDUCATION

- ✓ **GEOGRAPHY HIGHER EDUCATION**: HERODOT, MYGEO, GEOLAND…
- ✓ **GEOGRAPHY SCHOOL EDUCATION**: SPACIT, I- GUESS, DIGITAL-EARTH.EU, SCHOOL ON THE CLOUD, GI-LEARNER, GI-PEDAGOGY, D_3, GEOCAPABILITIES, EVALUE, BIOMAPS, V-GLOBAL, GEODEM…
- ✓ **GEOGRAPHY** FOR EMPLOYABILITY, **VOCATIONAL TRAINING, ADULT EDUCATION, NON-FORMAL EDUCATION**: GEOSKILLS+, YOUTHMETRE, GO- DIGITAL, SEED…

- ✓ **INTERNATIONAL AND EUROPEAN EDUCATION**: EURO.GEO, HERODOT, GEODEM, EVALUE.
- ✓ **DIGITAL GEOGRAPHY EDUCATION** AND GEOSPATIAL EDUCATION: IGUESS, DIGITAL-EARTH.EU, I-USE, MY STORY MAP, SCHOOL ON THE CLOUD, L-CLOUD, D_3, GO- DIGITAL, BIOMAPS, HUMAN, V-GLOBAL, MYGEO.
- ✓ **SPATIAL THINKING**: GI-LEARNER, GI PEDAGOGY.
- ✓ **POWERFUL GEOGRAPHY**: GEOCAPABILITES 1, 2 &3, EAT.
- ✓ **SPATIAL CITIZENSHIP**, EMPOWERMENT: SPACIT, YOUTHMETRE,
- ✓ **GEOGRAPHICAL EDUCATION FOR SUSTAINABLE DEVELOPMENT**: SEACHANGE, SEED, RIDE&SMILE, ONLIFE, GEOLAND, SMART VILLAGE, TEACHING THE FUTURE.

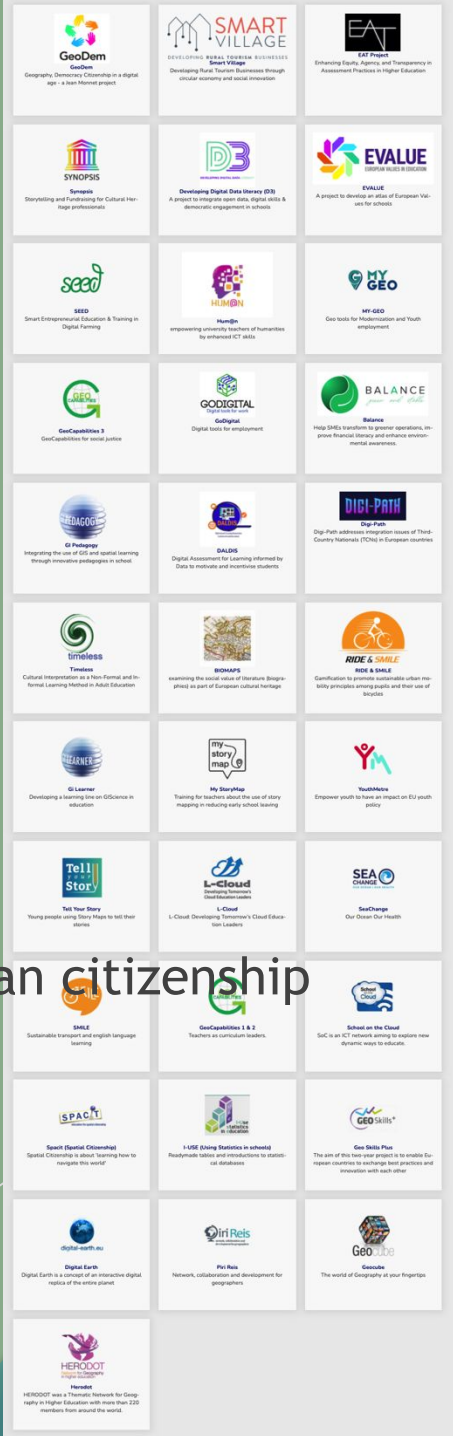
Which competence fits better for different education level/topic?

https://www.eurogeography.eu/projects/

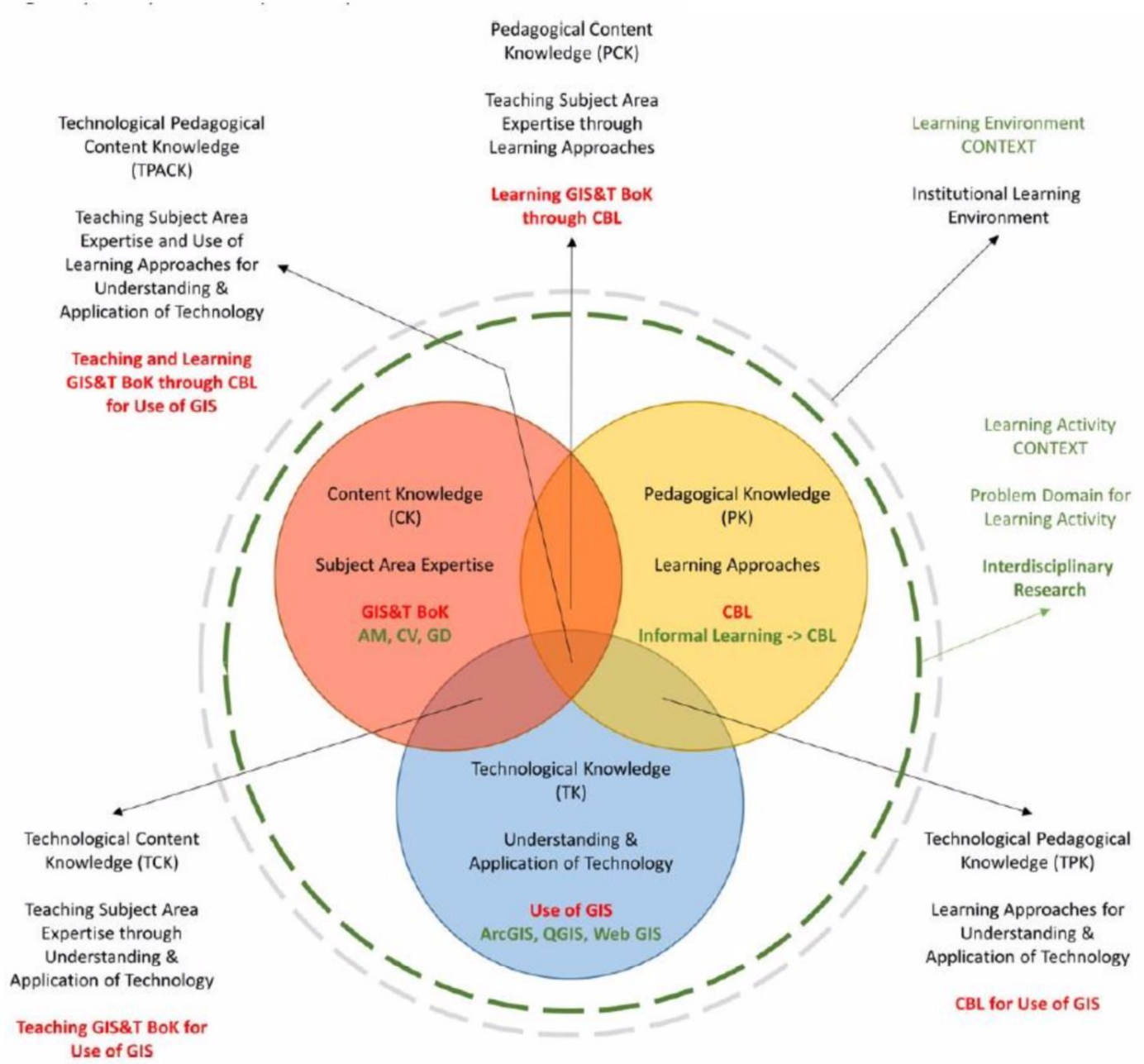
5 E'S: GEOGRAPHICAL & GEOSPATIAL EDUCATION FOR BRIDGING EUROPEAN CITIZENS

(De Miguel, 2020)

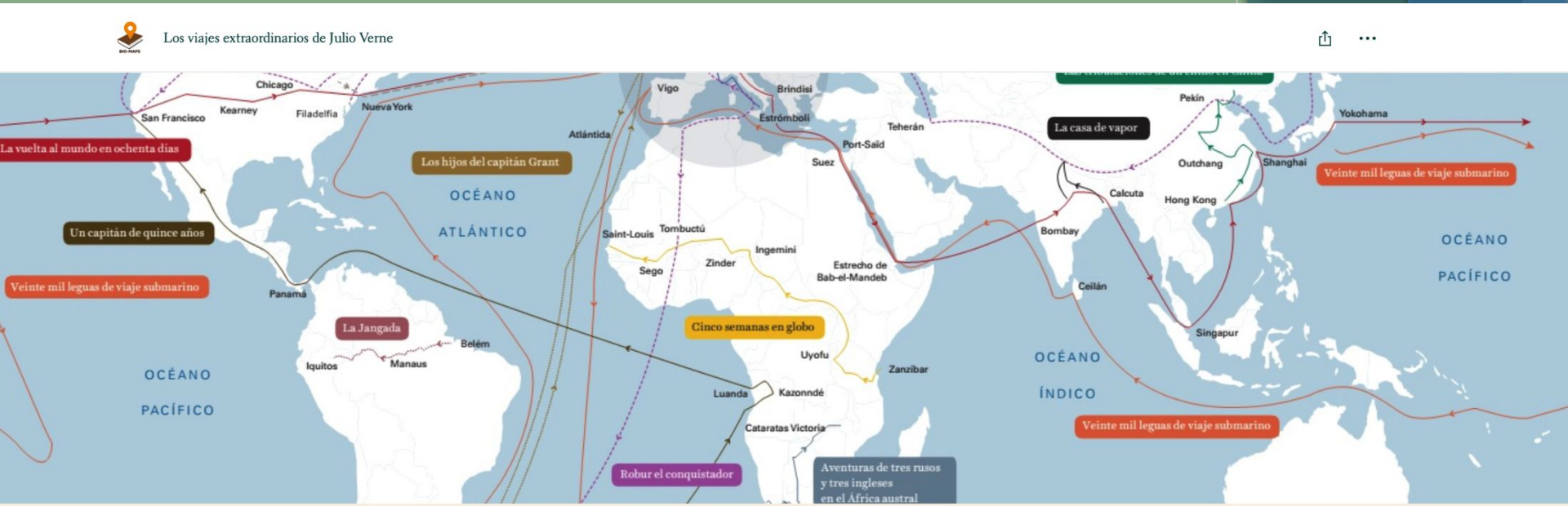
- Enhancing personal development
- Enabling digital skills
- Empowering youth people
- Engagement, participation for democracy and European citizenship
- Employability (fostering)



Rickles, Ellul, & Haklay, 2017



GEOSPATIAL COMPETENCES FOR TRANSDISCIPLINARY KNOWLEDGE



Los viajes extraordinarios de Julio Verne

Rafael de Miguel González, EUROGEO

Tres ciudades de Francia | Viajes personales | Su obra completa | 5 semanas en globo | Las aventuras del Capitán Hatt... | 20.000 leguas de viaje submari... | Vuelta al mundo en 80 días

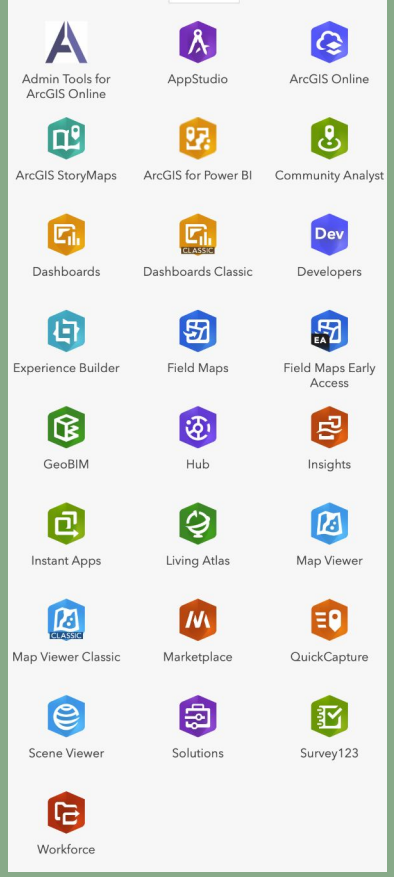
LAST THOUGHTS

- MAKE COMPATIBLE DIGITAL COMPETENCES/GEOGRAPHICAL AND GEOSPATIAL COMPETENCES
- LIFELONG LEARNING COMPETENCES, HARD SKILLS, SOFT SKILLS – MICROCREDENTIALS (EU UNIV.)
- NEED TO UPDATE DIGITAL COMPETENCES ACCORDING TO SOCIAL AND ECONOMIC NEEDS
- TUNNING COMPETENCES TO CURRICULUM, INSTRUCTIONAL DESIGN, RESSOURCES
- LIFELONG TRAINING DUE TO CHANGES IN GEOSPATIAL TECHNOLOGIES
- DIGITAL AGE FOR A STRONGER DEMOCRACY, GREENER EUROPE AND A BETTER SOCIETY

GeoDem

GeoDem

Geography, Democracy Citizenship in a digital age - a Jean Monnet project



BIO-MAPS

CARTOTECA BIOGRÁFICA DE AUTORES EUROPEOS

Erasmus+

geo land

TEACHING THE FUTURE

Erasmus+

euro geo

GeoDem

About

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Conclusions: Some Future Perspectives

- **Common message of 'geography'**
- Long-term **commitment** …… from EUROGEO
- Ongoing **research** and project development
- Some **support** from geo-industry, geo-business
- Linked to **policy making**

"What happens if we don't develop the innovative uses of geotechnology in education?"