

euro
geo



*Digitaly Enabled Development. Engaging stakeholders in Eastern Europe for a Sustainable Future
Vrdnik, Serbia, 18.-20. September, 2019.*

Digital transformation - an educational perspective

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euro geo Digital Transformation (DT or DX)

- DT is the **changes** associated with digital **technology application** and **integration** into all aspects of human life and society. It's the **move** from the physical to digital.
- DT is the **integration** of digital technology into all areas of business, requiring fundamental **changes** in technology, culture, operation and value delivery.





DT in Education

*DT is a physical **change** designed to meet the ever growing demands of students, school and campus **to create a learning environment** where everything connects.*

- This is an ecosystem that combines technology, service and security to bridge the digital gap to **create collaborative, interactive and personalized learning experiences.**



Why we need DT in Education?

- Improve the school environment;
- Make a positive impact on students;
- Transform the role of teacher;
- Support school policy.





DT in Education

- National Reform in School Education in Serbia in 2018.
- Projects: 21st Century Schools, ICT System (E-diary), ICT classrooms, 2000 Digital classrooms and Digital textbooks.
- Implementation of new subjects in Curriculum – ESD.

<https://pozarevackagimnazija.edu.rs/index.php/geography/789-education-for-sustainable-development-2018-19>



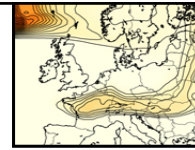
DT in Education

- School Information System (School administration, School website, Social media page, Edmodo)
- ECDL (European Computer Driving License) Test Center in Polytechnic School
- Teachers In-service training (MOOC)

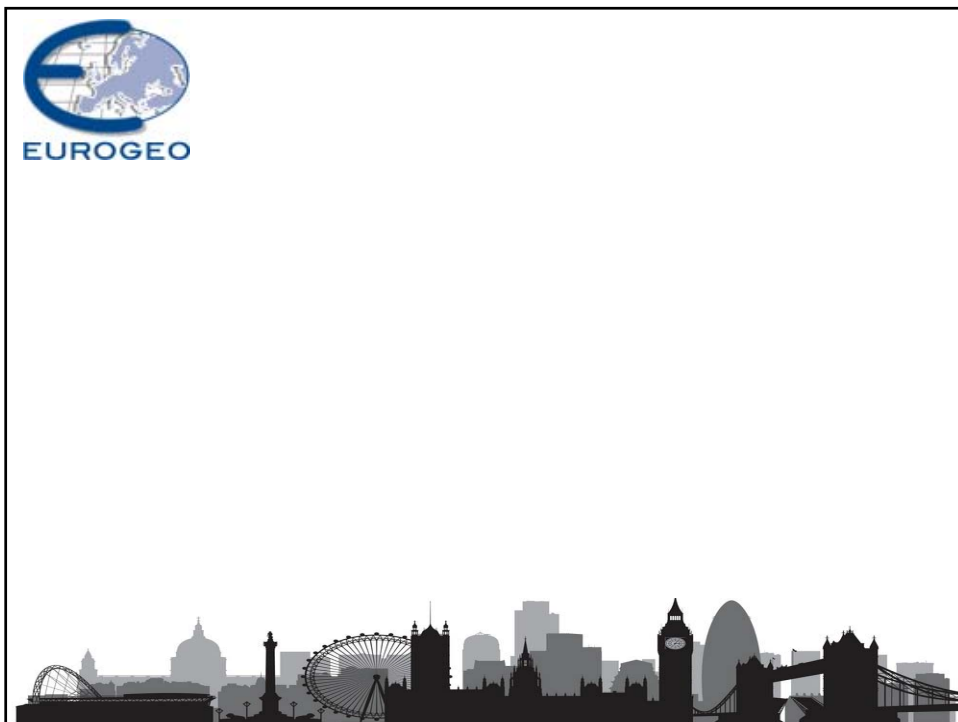
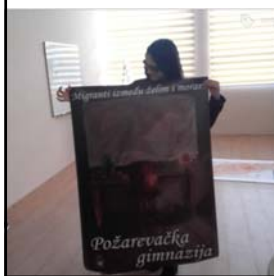




DT in Geography



- School Events: GIS day (Map story, Computing, Mapaton, Orienteering with Smart phones).
- Outside School Events: Education fair, Science Night, Inetrantional Geo Olympiade



euro geo Engaged in policy



- **EUROGEO at the Council of Europe (since 1983)**
- **Culture, Education, Environment, Economy**
 - Lobbying in the Parliamentary Assembly
 - Responding to statements and policy
- **Human rights, Democracy**



euro geo EUROGEO in the Policy arena (SDGs)

GOAL 1 END POVERTY

GOAL 2 END HUNGER

GOAL 3 WELL-BEING

GOAL 4 QUALITY EDUCATION

GOAL 5 GENDER EQUALITY

GOAL 6 WATER AND SANITATION FOR ALL

GOAL 7 AFFORDABLE AND SUSTAINABLE ENERGY

GOAL 8 DECENT WORK FOR ALL

GOAL 9 TECHNOLOGY TO BENEFIT ALL

GOAL 10 REDUCE INEQUALITY

GOAL 11 SAFE CITIES AND COMMUNITIES

GOAL 12 RESPONSIBLE CONSUMPTION BY ALL

GOAL 13 STOP CLIMATE CHANGE

GOAL 14 PROTECT THE OCEAN

GOAL 15 TAKE CARE OF THE EARTH

GOAL 16 LIVE IN PEACE

GOAL 17 MECHANISMS AND PARTNERSHIPS TO REACH THE GOALS

Sustainable development goals

A UNIFIED FRAMEWORK

A set of 17 sustainable development goals (SDGs) follows from combining the Millennium Development Goals (MDGs) with conditions necessary to ensure the stability of Earth's systems.

NEW PARADIGM

Earth's life-support system

Society

Economy

NEW DEFINITION

Sustainable development in the Anthropocene: "Development that meets the needs of the present while safeguarding Earth's life-support system, on which the welfare of current and future generations depends."

UPDATED MILLENNIUM DEVELOPMENT GOALS

- End poverty and hunger
- Universal education
- Gender equality
- Health
- Environmental sustainability
- Global partnerships

PLANETARY MUST-HAVES

- Materials use
- Scarcity
- Nutrient (N and P) cycles
- Hydrological cycles
- Ecosystem services
- Biodiversity
- Climate stability

SUSTAINABLE DEVELOPMENT GOALS

- Bring living and livelihoods
- Sustainable food security
- Sustainable water security
- Universal clean energy
- Healthy and productive ecosystems
- Governance for sustainable societies

2000 start → 2015 target → 2030 goal

RIO+20
United Nations Conference on Sustainable Development

EUROGEO in the policy arena (UN)

European Journal of Geography

<http://www.eurogeographyjournal.eu>

"A fine journal with excellent and widely cited papers on European geography"
SCOPUS Evaluation Team (2014)

Translating the work of geoscientists into the policy arena

<http://www.geocapabilities.org>

euro geo EUROGEO projects

GeoCapabilities: teachers as curriculum leaders



GI-Learner: learning lines in GIS



School on the Cloud: impact of the Cloud in education



SeaChange: Ocean Literacy



SMILE: sustainable transport and the very young



YouthMetre: young people and policy

Synopsis

Evaluate

Go Digital

Human

Daldis

Gy Pedagogy



euro geo Conference 2020

23-24 April 2020: Madrid, Spain

Theme: "Sustainable Development for All"

<http://www.eurogeography.eu>





THANK YOU!

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