

Innovative Postgraduate Education in the Field of Environment Protection: Methods and Tools



SWOT analysis of *MENVIPRO* project curriculum evaluation

Dr. Davit Pipoyan

PhD in food science

Lecturer - The Department of “Environmental Protection and Nature Management”, ISEC

Head of IACRA, CENS

6 October 2022



SWOT Analysis

WP1 Best practice Study and SWOT (ISEC)



Goal



- ✓ To collect and generalize the best practice in the field of MSc studies in Environment Protection
- ✓ To prepare the curricula development and capacity-building activities



- ✓ Recommendations for MSc programs design and delivery

Activities

Visits of the group of Armenian and Georgian colleagues to

- UNITUS
- Ulisbon
- UHalle



Each trip includes a workshop:

- Presentation of relevant European curricula
- Meetings with teaching/technical staff
- Visits to laboratories and research facilities



Deliverables



Bologna-based post-graduate education
in the field of Environment Protection:

Report (the result of the study trips and
SWOT analysis)



Recommendations concerning reforms of
postgraduate studies in the field of
Environment Protection Comparative
study and recommendations

SWOT ANALYSIS

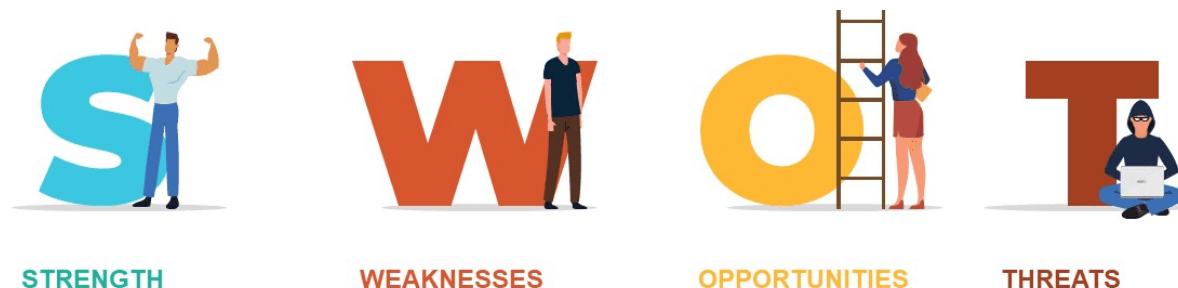
Internal factors:

- Existing baseline. Available EP programs/courses per partner University, short characteristics, experiences.
- Availability of resources in Universities for the reforms.
- Sources of expertise. Potential cooperation partners and opportunities inside the country and internationally.



External factors:

- General political and socio-economic climate for modernization of postgraduate studies in the field of EP
- Regulatory frameworks (national laws, standards, institutional regulations, etc.),
- Demand for specialists in EP with postgraduate degrees. Potential employment opportunities, employability statistics, and motivation/demotivation factors for the choice of the EP program.



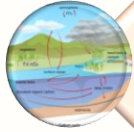
Comparative study and recommendations

To look at the European best practice and to develop the plan for curricula reform based on the Armenian reality



Use the methodology which gives the set of criteria (information items) for courses description and comparison

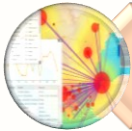
Curricula development (Modernized courses)



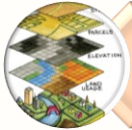
Environmental geochemistry



Environmental monitoring and measuring devices



Complex geo – ecological mapping



Spatial data infrastructure and data management



Landscape planning



Ecology of urban environment



Environmental toxicology



Geographic information system

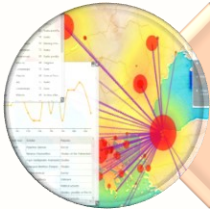
Curricula development (New developed)



Environmental radiation protection



Environmental statistics



Applied remote sensing for environment



Soil quality monitoring



Food safety risk assessment

Set of criteria

University/Programme Profile

Course setting

Teaching aspects (didactic, assessment).

Course statistics.

Course content

THANK YOU !

DAVID PIPOYAN

david.pipoyan@cens.am



UNIVERSITÀ
DEGLI STUDI DELLA
TUSCIA



NAS RA
INTERNATIONAL SCIENTIFIC
EDUCATIONAL CENTER



TÉCNICO
LISBOA

