THE CENTER FOR ECOLOGICAL-
NOOSPHERE STUDIES NAS RA

http://cens.am

Modernization of Environment Protection Studies Programmes for Armenia and Georgia

ENV PRO

Co-funded by the
Erasmus+ Programme
of the European Union

Viterbo-Lisbon,
30th March – 7th April, 2019

THE CENTER FOR ECOLOGICAL-NOOSPHERE STUDIES

DIRECTOR

SCIENTIFIC BOARD

LIBRARY

EXECUTIVE PERSONNEL

NONGOVERNMENTAL ORGANIZATIONS:
- Young scientists board
- Trade Union Committee

Educational Department
- Environmental Protection and Nature Management Chair of the International Scientific-Educational Center of NAS RA
- UNESCO Chair on «Education for Sustainable Development»

- MS course
- PhD course
- Trainings

Environmental Geochemistry Department

Bioenergy and Fodder Quality Department

GIS and Remote Sensing Department

Radioecology Department

ANALYTICAL LABORATORY

TEMPORARY WORK TEAMS

- Grants
- Agreements
- Target

INFORMATIONAL ANALYTICAL CENTER FOR RISK ASSESSMENT OF FOOD CHAIN
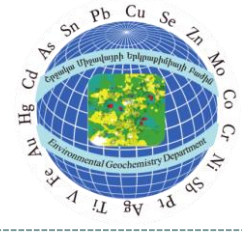
Main activities

- Biotechnological risks

- Determination of environmental contaminants:

    heavy metals, pesticides in food stuff

- Risk assessment of adulteration

- Implementation of localization of accepted

    risk-based quality management systems (HACCP, GAP, GHP, GMP)

- Total dietary studies (TDS)

Main activities

- Eco-geochemical assessment

- Geochemical survey and mapping

- Environmental and health risk assessment

- Revealing risk groups in the population

- Hydrochemistry, surface water quality assessment

- Environmental geochemistry and food safety

URBAN

MINING

AGRICULTURAL

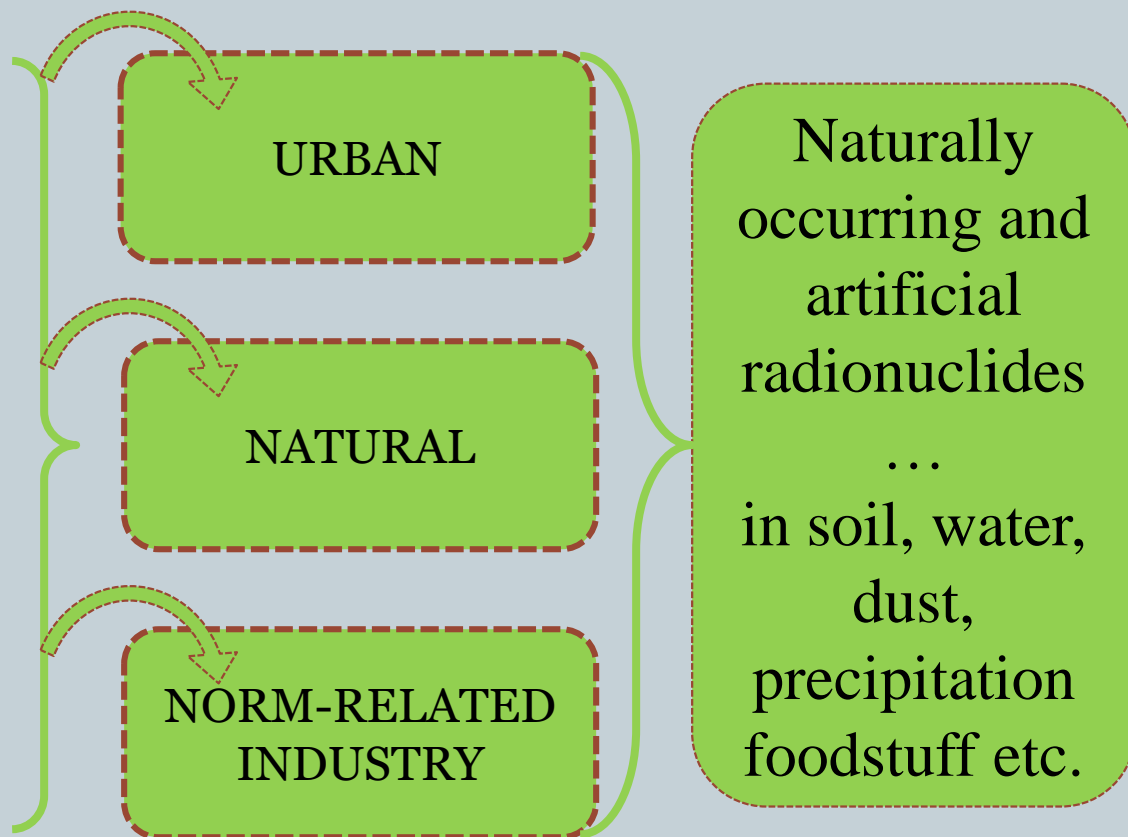Potentially toxic elements, Pesticides … in soil, water, dust, bio substrates etc.
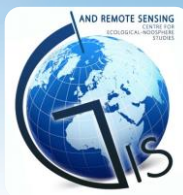
Main activities

- Radioecological monitoring

- Radionuclide migration in the environment

- Radon monitoring

- Radiological hazard and risk assessment

- Detection of naturally occurring radionuclides in construction materials, foodstuff, mineral water, etc.

- Nuclear forensics

URBAN

NATURAL

NORM-RELATED INDUSTRY

Naturally occurring and artificial radionuclides … in soil, water, dust, precipitation foodstuff etc.

GIS and Remote Sensing Department

In situ and remote observation systems of the main environmental compartments (water, soil and plants).

Environment and food chains risk assessment

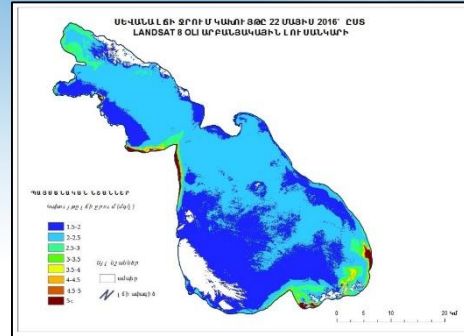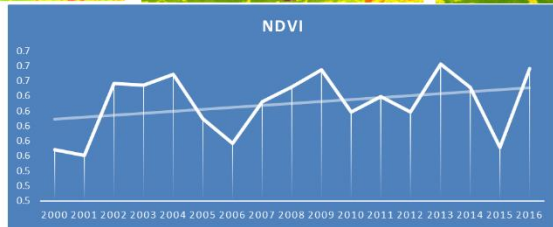*Developing Earth observation and information systems for site specific decision – making*
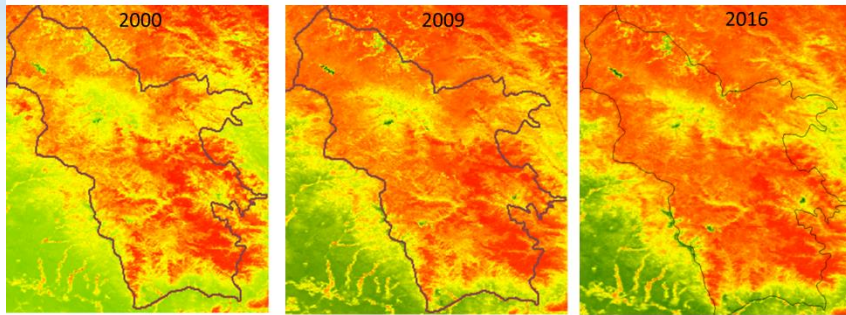
Detection and prediction of land-use changes.

Improvement of the grasslands environment and quality of feedstuff.

Assessing and monitoring the impact of climate change on the productivity of ecosystems

Desktop GIS and Remote Senisng Analysis

Technologies for GEOSPATIAL DATA sharing and BIG DATA analysis

National and regional experience through research partnership and international cooperation.

FP7 E c o A r m 2 ERA

*EU Cooperation Capacity Building of Center for **Eco**logical-Noosphere Studies of National Academy of Sciences of **Arm**enia: Towards Armenia's integration in**to** the **ERA***

to reinforce the international research cooperation between CENS and ERA.

For this purpose
   Sustainable development strategy was defined and promoted for CENS focusing on the overall improvement of the institution's capacities, visibility, and competitiveness.

- University College Dublin, National University of Ireland (Ireland)
- University of Geneva, Institute for Environmental Sciences (Switzerland)
- GIRAF PM Services GmbH (Germany)

Deploying ARmenian distributed Processing capacities for Environmental GEOspatial data (ARPEGEO)

New Master Course "SDI and Data Management"

To build a state-of-the-art Spatial Data Infrastructure (SDI)

in order to efficiently manage and distribute environmental data and their associated metadata.

The Center for Ecological-Noosphere Studies NAS RA

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Thanks you for the Attention