Modernization of Environment Protection Studies Programmes for Armenia and Georgia

Viterbo-Lisbon, 30th March – 7th April, 2019
THE CENTER FOR ECOLOGICAL-NOOSPHERE STUDIES

LIBRARY

EXECUTIVE PERSONNEL

DIRECTOR

SCIENTIFIC BOARD

Environmental Geochemistry Department

Bioenergy and Fodder Quality Department

GIS and Remote Sensing Department

Radioecology Department

ANALYTICAL LABORATORY

NONGOVERNMENTAL ORGANIZATIONS:
• Young scientists board
• Trade Union Committee

TEMPORARY WORK TEAMS
• Grants
• Agreements
• Target

INFORMATIONAL ANALYTICAL CENTER FOR RISK ASSESSMENT OF FOOD CHAIN

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
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

Potential 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

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

URBAN

NATURAL

NORM-RELATED INDUSTRY
Center for Ecological-Noosphere Studies NAS of Armenia

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

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

Developing Earth observation and information systems for site specific decision – making

Environment and food chains risk assessment

Environment and food chains risk assessment

Improvement of the grasslands environment and quality of feedstuff.

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

Developing Earth observation and information systems for site specific decision – making
Desktop GIS and Remote Sensing Analysis

Technologies for GEOSPATIAL DATA sharing and BIG DATA analysis
FP7 EcoARM2 ERA

EU Cooperation Capacity Building of Center for Ecological-Noosphere Studies of National Academy of Sciences of Armenia: Towards Armenia’s integration into 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)

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

http://cens.am/
info@cens.am

Thanks you for Attention