

# **BEOBAL METHODOLOGICAL AND COORDINATION WORKSHOP**

**BEO Centre of Excellence Research Capacity  
Improvement for Sustainable Environment and  
Advanced Integration into ERA**

**(23 – 25 October 2005, Bachinovo, SWU campus,  
Blagoevgrad, BULGARIA)**

**ENVIRONMENTAL STUDIES OF INSTITUTE  
OF NUCLEAR PHYSICS, Tirana, ALBANIA**

**Prof. Dr. JOVAN ZOTO, Vice Director**

**Tirana, October 2005**

# **Sustainable Environment and Improvement of Life**

- **Measurements alpha, beta and gamma radioactivity of different environmental samples**

air samples

soil samples

water samples

plant samples

food products etc.).

- **Evaluation of radiological emergencies**

network of radiological emergencies and data in real time

preparation of national plan of radiological emergencies

improvement of infrastructure for peoples protection from the radiation

- **Preparation of the  $^{90}\text{Tc}$  Radiopharmaceuticales for diagnosis**

- **Dosimetric personal control and evaluation of professional dose**
- **Measurement of natural Radon and evaluation of its concentration**
  - residence objects
  - social – cultural objects etc.
- **Treatment and conservation of the consumption radioactive sources**
- **Control for the radioactive contamination of the Import – Export production**
- **Control of the air pollution from the heavy metal**
- **Calibration of the dosimetric equipments**

(Laboratory, probably, will be as Secondary Standard Laboratory).

# **Waters Environments and Technology**

- **Studies in the waters environments**  
hydrochemical methods  
environmental isotopic methods  
artificial fluorescence tracer methods.
- **Application of the Radiation techniques for characteristic changing of materials.**
- **Application of spectrometric methods in geologic studies of minerals, oil and gas and preparation respective geologic maps.**

## **Organization Structure**

**Department of Human Protection** (including 2 Divisions).

- **Department of Analytical methods** (including 2 Divisions).

**Department of Technology** (including 2 Divisions).

- **Department of Radiochemistry and Electronics** (including 2 Divisions).

# **Human Resources**

**Scientific Researcher : 29** persons.

**Prof. Dr. : 9**

**Prof. Ass. Dr. : 3**

**Asistant : 17**

( **4** - in process of **PhD** preparation,  
**others** - in process of “**Master**” degree preparation).

## **Fields of coolaboration**

**Fields of activities of INP with common interest.**

**Bilateral and multilateral cooperation**

**Data base systems, exchange data and exsperience.**

**Fellowships, Training cources, Seminars, Scientific conferences, Scientific visits, PhD and “Master” degree preparation.**

**Thank you for your  
attention**