

## 5. GOVERNMENT BUDGET APPROPRIATIONS FOR R&D BY SOCIO-ECONOMIC OBJECTIVES (GBAORD) – ANNEX 1

### NABS rev. 1992: List of socio-economic objectives at the 3-digit level

#### 1. EXPLORATION AND EXPLOITATION OF THE EARTH

- 1.0 General research
- 1.1 Mineral, oil and natural gas prospecting
- 1.2 Exploration and exploitation of the sea-bed
- 1.3 Earth's crust and mantle excluding sea-bed
- 1.4 Hydrology
- 1.5 Sea and oceans
- 1.6 Atmosphere
- 1.9 Other research on the exploration and exploitation of the Earth

#### 2. INFRASTRUCTURE AND GENERAL PLANNING OF LAND-USE

- 2.0 General research
- 2.1 General planning of land-use
- 2.2 Construction and planning of building
- 2.3 Civil engineering
- 2.4 Transport systems
- 2.5 Telecommunication systems
- 2.6 Water supply
- 2.9 Other research on the infrastructure and general planning of land-use

#### 3. CONTROL AND CARE OF THE ENVIRONMENT

- 3.0 General research on the environment
- 3.1 Protection of atmosphere and climate
- 3.2 Protection of ambient air
- 3.3 Solid waste
- 3.4 Protection of ambient water
- 3.5 Protection of soil and groundwater
- 3.6 Abatement of noise and vibration
- 3.7 Protection of species and habitats
- 3.8 Protection against natural hazards
- 3.9 Protection against radioactive radiation
- 3.10 Other research on the environment

#### 4. PROTECTION AND IMPROVEMENT OF HUMAN HEALTH

- 4.0 General research
- 4.1 Medical research, hospital treatment, surgery
- 4.2 Preventive medicine
- 4.3 Biomedical engineering and medicines
- 4.4 Occupational medicine
- 4.5 Nutrition and food hygiene
- 4.6 Drug abuse and addiction
- 4.7 Social medicine
- 4.8 Hospital structure and organisation of medical care
- 4.9 Other medical research

## **5. PRODUCTION, DISTRIBUTION AND RATIONAL UTILIZATION OF ENERGY**

- 5.0 General research
- 5.1 Fossil fuels and their derivatives
- 5.2 Nuclear fission
- 5.3 Radioactive waste management including decommissioning with regard to fuel/energy
- 5.4 Nuclear fusion
- 5.5 Renewable energy sources
  - 5.5.1 Solar, thermal and photovoltaic energy
  - 5.5.2 Geothermal energy
  - 5.5.3 Water, wind and wave energy
  - 5.5.4 Research into biomass conversion
- 5.6 Rational utilization of energy
- 5.9 Other research on production, distribution and rational utilization of energy

## **6. AGRICULTURAL PRODUCTION AND TECHNOLOGY**

- 6.0 General research
- 6.1 Animal products
- 6.2 Fishing and fish-farming
- 6.3 Veterinary medicine
- 6.4 Crops
- 6.5 Forestry and timber production
- 6.6 Food technology
- 6.9 Other research on agricultural production and technology

## **7. INDUSTRIAL PRODUCTION AND TECHNOLOGY**

- 7.0 General research
- 7.1 Increasing economic efficiency and competitiveness
- 7.2 Manufacturing and processing techniques
- 7.3 Extraction and processing of non-energy mineral and derived products
- 7.4 Products of the chemical industry
  - 7.4.1 Petrochemical and coal by-products
  - 7.4.2 Pharmaceutical products
- 7.5 Manufacture of motor vehicles and other means of transport
  - 7.5.1 Aerospace equipment manufacturing and repairing
  - 7.5.2 Manufacture of motor vehicles and parts (including agricultural tractors)
  - 7.5.3 Manufacture of all other equipment
- 7.6 Electronic and related industries
  - 7.6.1 Manufacture of office machinery and data processing equipment
  - 7.6.2 Manufacture of radio, television and communications equipment and apparatus
  - 7.6.3 Software development
- 7.7 Manufacture of electrical machinery and apparatus
- 7.8 Manufacture of non-electronic and non-electrical machinery
- 7.9 Manufacture of instruments
  - 7.9.1 Manufacture of medical and surgical equipment and orthopaedic appliances
  - 7.9.2 All other instrument manufacture
- 7.10 Manufacture of food products and beverages
- 7.11 Manufacture of textile, clothing and leather goods
- 7.12 Other manufacturing products
- 7.13 Recycling waste



**8. SOCIAL STRUCTURES AND RELATIONSHIPS**

- 8.0 General research
- 8.1 Education, training, recurrent and retraining
- 8.2 Cultural activities
- 8.3 Management of business and institutions
- 8.4 Improvement of working conditions
- 8.5 Social security system
- 8.6 Political structure of society
- 8.7 Social change, social processes and social conflicts
- 8.9 Other research with regard to society

**9. EXPLORATION AND EXPLOITATION OF SPACE**

- 9.0 General research
- 9.1 Scientific exploration of space
- 9.2 Applied research programmes
- 9.3 Launch systems
- 9.4 Space laboratories and space travel
- 9.9 Other research on the exploration and exploitation of space

**10. RESEARCH FINANCED FROM GENERAL UNIVERSITY FUNDS  
(General research financed from Ministry of Education)**

- 10.0 Mathematics and computer sciences
- 10.1 Physical sciences
- 10.2 Chemical sciences
- 10.3 Biological sciences
- 10.4 Earth and related (environmental) sciences
- 10.5 Engineering sciences
- 10.6 Medical sciences
- 10.7 Agricultural sciences
- 10.8 Social sciences
- 10.9 Humanities

**11. NON-ORIENTED RESEARCH**

- 11.0 Mathematics and computer sciences
- 11.1 Physical sciences
- 11.2 Chemical sciences
- 11.3 Biological sciences
- 11.4 Earth and related (environmental) sciences
- 11.5 Engineering sciences
- 11.6 Medical sciences
- 11.7 Agricultural sciences
- 11.8 Social sciences
- 11.9 Humanities

**12. OTHER CIVIL RESEARCH**

**13. DEFENCE**