

The preparation of a SESAM database

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The GIS Department and the Department of Planning

Task A

1. Compilation of The Building and Major Consumer Registers and the Geographical Structure Tables
 - 1.1 Basic Registers and Tables (BUILDINGS, MAJCONS, geostru, specproc)
 - 1.2 The EUS-setup Table for Encoding and Aggregation (EUSSETUP)

The Department of Statistics

Task B

2. Registration of Stocks of Electrical Appliances and Machinery by Consumer Category (ELDATA.stk)

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The Department of Architecture

Task C

3. Acquisition and Registration of Specific Heat Balance Data for Buildings (shbalance)

The Department of Electrical Accessories

Task D

4. Acquisition and Registration of Specific Electricity Consumption Data for Existing and Future Types and Models of Electrical Equipment (ELDATA.app)

The Department of Engineering

Task E

5. Specifications of Types of ECST and ES Units, Technical Data:
 - 5.1 Types of Energy Conversion Units: Boilers, Motors, Heat pumps, Electrolytic Converters (convynits)
 - 5.2 Types of District Heating Networks (dhnets)
 - 5.3 Types of Biogas Plants and Digestible Biomass Types (biogasproduction)
 - 5.4 Types of Geophysical Energy Sources: Solar, Wind, Hydro (geosources)
 - 5.5 Types of Fuels, Fossil and Local (fuels)

Task F

6. Specifications of Types of Energy Conversion Stations, Composition and Technical Data (convstations)

Task G

7. Specifications of Present and Future Types of Vehicles (vehicles)

Task H

8. Specifications of Exogenously Determined Energy Flow Variations and Climatic Variations
 - 8.1 Annual Variations (ANNVARIATIONS)
 - 8.2 Diurnal Variations (diurvariations)

Task I

9. Preparation of the Economic Cost Register (ECONCOSTs)

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The Department of Planning

Task J

10. Specifications of Present and Possible Future Energy Supply Structures
 - 10.1 Declarations of Energy Conversion Stations and Geophysical Energy Sources which are in use or may come into use for energy SUPPLY within different geographical DOMAINS. Including specific industrial processes (domainssupply)
 - 10.2 Allocation of Geophysical Energy Sources to Energy Conversion Stations (allocation)
 - 10.3 Specifications of Present and Possible Future District Heat Supply from Conversion Stations delivering heat to the districts heating networks belonging to the different Local Systems (dhsupply)
 - 10.4 Specifications of Possible Future Changes in Heat Supply to Buildings within different domains, local systems, and EUS-districts and belonging to different consumer and owner categories (Heat Supply TRANSITION: hstrans)
 - 10.5 Specifications of Amounts of Local Fuels (Biomass fields and Combustible Waste) (fuels)

Task K

11. Specifications of Possible Future Changes in Quantitative and Qualitative Factors Influencing Energy Demand
 - 11.1 Development in Building Stocks (by floor area) and Industrial Production Volumes (General Consumption Development FACTORS: gcfactor)
 - 11.2 Distribution of Future Buildings by Local Systems, Consumer Category and Building Category (Future Building STOCK: FUBLDSTK)
 - 11.3 Development in Stocks of Electrical Appliances and Machinery (ELDATA.stk and ELDATA.dev)
 - 11.4 Development in the Quality Mix of Electrical Appliances (ELDATA.dev)
 - 11.5 Development in Transportation Volumes and Changes in the Means of Transport (Transpyolumes)

Task L

12. Specification of Regulation Strategies for Electricity Generation
 - 12.1 Allocation of Freely Allocable Power Generation to the Power Generating Conversion Stations in Operation (on a diurnal basis: MW-hours per day) (elpriorities)
 - 12.2 Diurnal Load Distribution (MW) on the Power Generating Conversion Stations in Operation (at 30 minute intervals) (loadpriorities)

Task M

13. The Setting-up of Scenario Specification Tables and the Selection of Scenarios to be Computed (SCENSPEC)

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