25 Years of experience
Creating better energy and climate future
EIHP ORGANISATIONAL SCHEME

**85 Employees**

**21 PhDs**

MANAGEMENT COUNCIL

SCIENTIFIC COUNCIL

SCIENTIFIC ADVISORY

DIRECTOR

BACK OFFICE

FINANCE & ACCOUNTING

DEPARTMENT FOR ENERGY SYSTEM PLANNING

DEPARTMENT FOR ENERGY GENERATION AND TRANSFORMATION

DEPARTMENT FOR POWER TRANSMISSION AND DISTRIBUTION

DEPARTMENT FOR RENEWABLE ENERGY SOURCES, ENERGY EFFICIENCY AND ENVIRONMENTAL PROTECTION

DEPARTMENT FOR ENERGY MANAGEMENT AND ORGANISATION

DEPARTMENT FOR INFORMATION TECHNOLOGIES AND COMMUNICATIONS
OUR GOAL

To be recognised as a centre of excellence in the field of energy planning, analysis, and environmental protection, locally and internationally.
EIHP INCOME

Income from activities in the country
Income from activities abroad

2017
- 57%
- 43%

2018
- 63%
- 37%
THE INSTITUTE’S AREAS OF ACTIVITY

- Strategic planning in the energy sector
- Development of electric power, gas, petroleum and heating systems
- Market, legal framework and restructuring of the energy sector
- Energy audits and certification of buildings
- Renewable energy sources, environmental and climate protection
- Energy efficiency
- Energy balances and statistics
- In-service training and promotional activities
• Development of national, regional and local energy strategies, action plans, and related programmes in accordance with relevant directives and regulations
• Technical support to energy companies in the planning and development of their businesses and energy sector
DEVELOPMENT OF POWER, GAS, PETROLEUM, AND HEATING SYSTEMS

- Drafting of energy networks development plans
- Drafting of energy system master plans
- Feasibility studies for the construction of power plants
- Operation optimisation of energy systems or their segments
- Calculation of potential power plant output
- Analysis of energy supply quality
- Analysis of energy system safety and reliability
- Technical and economic impact analysis for the installation of various equipment in energy systems
- Conducting surveys and studies on connecting renewable energy plants, other production plants, and consumers to the power supply network
MARKET ANALYSIS, LEGAL FRAMEWORK, AND RESTRUCTURING OF ENERGY SECTOR

- Analysis of energy companies market potential
- Benchmarking analysis of system operators and statistics of operational events
- Preparation of bases for the calculation of energy networks utilisation fees
- Provision of expert opinions in lawsuits
- Tariff policy and tariff methodologies
- Drafting of legislation and supporting documentation
- Restructuring, organisation, and refinancing strategies for energy companies
ENERGY BALANCES AND STATISTICS

- Data collection and compilation of energy statistics and energy balances for the Republic of Croatia, as well as for its counties, municipalities, towns, and islands.
- Reporting official energy statistics and energy balances to international organisations.
- Conducting opinion polls on energy consumption, consumer behaviour, and attitudes towards new energy solutions.
- Calculation of various energy indicators for monitoring, validation, and verification of energy policies, and related measures.
- Establishment of energy information system and platform for demand forecasting and energy supply option analysis.
- Development of energy atlas and graphical presentation of data on maps.
RENEWABLE ENERGY SOURCES

• Research and assessment of the energy potential of renewable energy sources
• Measurement of available resources, bankable studies of a potential for the commercial sector
• RES plant site selection and evaluation
• Consulting on the choice of technology and design solution for the planned power plants
• Market analyses and research, assessments and forecasts for public and commercial sectors
• Project due diligence before financial closing or in the process of take-over; sell-side and buy-side consulting
ENVIRONMENTAL AND CLIMATE PROTECTION

- Spatial and environmental assessment of areas considered for new projects
- Environmental impact assessment for energy plants
- Conducting studies and preparation of technical bases in the field of climate change mitigation and adaptation
- Financing models for climate change mitigation and adaptation
ENERGY EFFICIENCY

- Research and assessment of energy potential (energy systems, building design and construction, industry, traffic)
- Organising and implementing projects and programmes
- Action plans
ENERGY AUDITS AND CERTIFICATION IN BUILDING, SERVICE, AND INDUSTRY SECTORS

- Development of energy audit methodologies
- Conducting energy audits and certification
- Energy certificates control and professional training
IN-SERVICE TRAINING/EDUCATION AND PROMOTIONAL ACTIVITIES

• The organisation of professional, scientific, and promotional conferences
• Preparing, organising and conducting specialist opinion polls
• Public opinion polling
• Permanent in-service training
• Publishing manuals and guidebooks
EIHP DELIVERS

Around 200 PROJECTS
(studies, elaborations, analyses etc.)
per year
High level of professionalism in developing, managing and executing international scientific programmes
MESSAGE: Model for Energy Supply
Strategy Alternatives and their General Environmental Impacts

High-Performance Transmission Planning Application for the Power Industry
MAIN PARTNERS/CLIENTS

> 200 partners around the world

- AEAI
- AECOM
- Agrokor d.d.
- Cities (Zagreb, Zadar...)
- Clinical Hospital Center (KBC Rebro Zagreb)
- Croatian Electric Company (HEP)
- Croatian Motorways
- District heating companies
- Energy Community Secretariat
- EPHZHB
- European Bank for Reconstruction and Development
- European Commission
- FAO
- Government of Republic of Croatia
- Government of Republic of Montenegro
- Government of the Republic of Bosnia and Herzegovina and Entities
- HEP Energy Service Company (HEP ESCO)
- HERA – Croatian Energy Regulatory Agency
- HOPS – Croatian Transmission System Operator
- HROTE – Croatian Energy Market Operator
- IAEA
- IEA
- INA – Oil Industry
- JANAF d.d. (Oil transport operator)
- KESH, Albania
- KfW Bankengruppe
- Končar d.d.
- KOSTT – Kosovo Transmission System Operator
- MEPSO – Macedoniana Transmission System Operator
- Mining Company Banovići, Bosnia-Herzegovina
- Ministry of economy of Republic of Croatia
- Ministry of infrastructure od Republic of Slovenia
- Ministry of regional developments on EU funds of Croatia
- NOS BiH – Transmission System Operator of BiH
- Numerous private companies and RES project developer
- Plinacro d.o.o. (Gas transmission operator)
- Privredna banka Zagreb d.d. (Member of Intes Sanpaolo Group)
- Regional Environmental Centre for Central and Eastern Europe
- T – HT d.d. (Member of Deutsche Telekom Group)
- UNDP
- UNIDO
- USAID
- USEA
- Utiliy services providers
- Zagrebačka banka d.d. (Member of Unicredit Group)
- World Bank
COUNTRIES EIHP WORKS IN:

> 50
TOGETHER FOR BETTER WORLD OF TOMORROW