



**Ss. Cyril and Methodius
University in Skopje**



Faculty of Electrical
Engineering and
Information Technologies



**Center for Technology Transfer
and Innovations**

Prof. Vladimir Dimchev
Vice Dean for Science and International Cooperation



INNOFEIT

THE NEED FOR INNOFEIT

=> Track record in securing funding for R&D by FEET (euros)

	National grants	EU grants	NATO SPS grants	Contract research from enterprises	Other (e.g. Swiss/Norway funding)	TOTAL (euros)
2013	3900	420440	199500	23737	976355	
2014	10521	306769	/	/	52185	
2015	1835	71463	/	/	837895	
2016	8442	45280	131380	20420	/	
2017	6494	725203	211000	/	/	
Annual 5-year average	6238.4	238151.8	108376	8831.4	373287	734884.6

Resulting in 500+ publications, 7 patents, 2 start-ups and labs worth 2M euros (for the period 2013-2017)



INNOF@IT

ESTABLISHMENT

- Autonomous legal entity under UKIM/FEEIT's ownership established and opened in 2018
- Serves as a TTO and research hub for FEEIT's R&D
- **Central objective** is to **tackle brain drain** from the country and in particular the **loss of young and talented scientists and researchers**
- Dedicated **Industrial Committee** comprising industry representatives
- **Supervisory Board** comprising university representatives





INNOF@IT

GOALS

- Improve, enhance and stimulate knowledge transfer from academia to existing and new innovative SMEs
- Provide excellent knowledge in **ICT and REEE**
- Commercialize research results
- Bridge the gap between academia and industry
- Enhance the growth potential of a regional ecosystem of existing and new innovative, knowledge intensive and high-tech SMEs



RESEARCH FOCUS

ICT SERVICES FOR EMERGING TELEINFRASTRUCTURES

Pillar 1	EXPERT SYSTEMS EXPLOITING DATA SCIENCE
Pillar 2	DSP ADVANCES FOR RT AND NRT APPLICATIONS
Pillar 3	SOFTWARE-DEFINED NETWORKING AND VIRTUALIZATION
Pillar 4	RENEWABLE ENERGY SOURCES AND ENERGY EFFICIENCY



OBJECTIVES

Knowledge transfer services	Collaborative platform	Research results
Pitch for academic ideas and match-made	Organize annual INNOFEIT events	Identify needs and spin-off ideas in ICT
Assess feasibility on an international expert level	Gather relevant industrial + governmental stakeholders	Commercialization
Provide management, financial & administrative services	Target knowledge-intensive companies	Organize scouting meetings between industry and researchers



PHASING



INNOF@IT

PHASE 0: SET-UP/ ADMINISTRATIVE

- Rules and procedures for operation on an international level

~ ongoing ~

PHASE 1: INITIATION

- Definition of novel research projects
- Recruitment of R&D staff

~ 12 months ~

PHASE 2: IMPLEMENTATION

- Ramp-up R&D

~ 24 months ~



CURRENT FRIENDS OF INNOFEIT





THE ROAD AHEAD

- European Investment Bank (EIB) pinpoints INNOFEIT as a potential regional **Center of Excellence (CoE)***
- INNOFEIT seeks **2.1M euros investment** to kick-start Phase 1
 - + anticipated additional 2M euros for infrastructure after completion of Phase 2 (scaling-up)
- INNOFEIT intends to (KPIs):
 - ⇒ Create and coach at least 6 start-ups
 - ⇒ Setup innovative projects with at least 10 companies
 - ⇒ Increase the number of international partnerships for 20 more
 - ⇒ Train at least 50 researchers, students and entrepreneurs
 - ⇒ Organize 3 annual events
 - ⇒ Grow up to 25 full time research employees