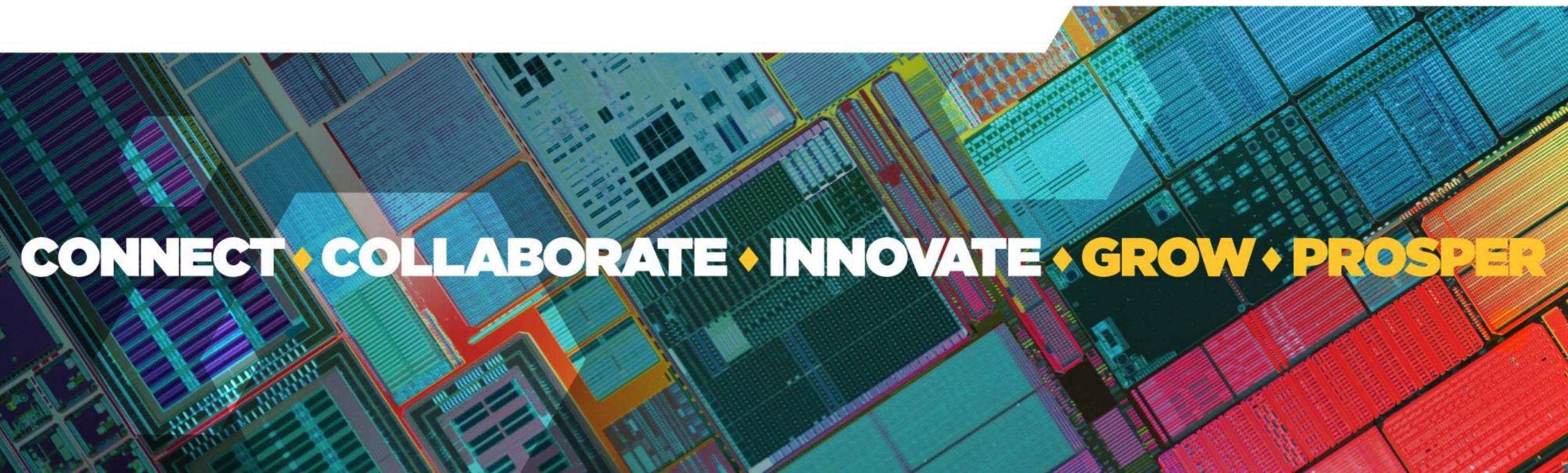




# METIS: MicroElectronics Training, Industry and Skills

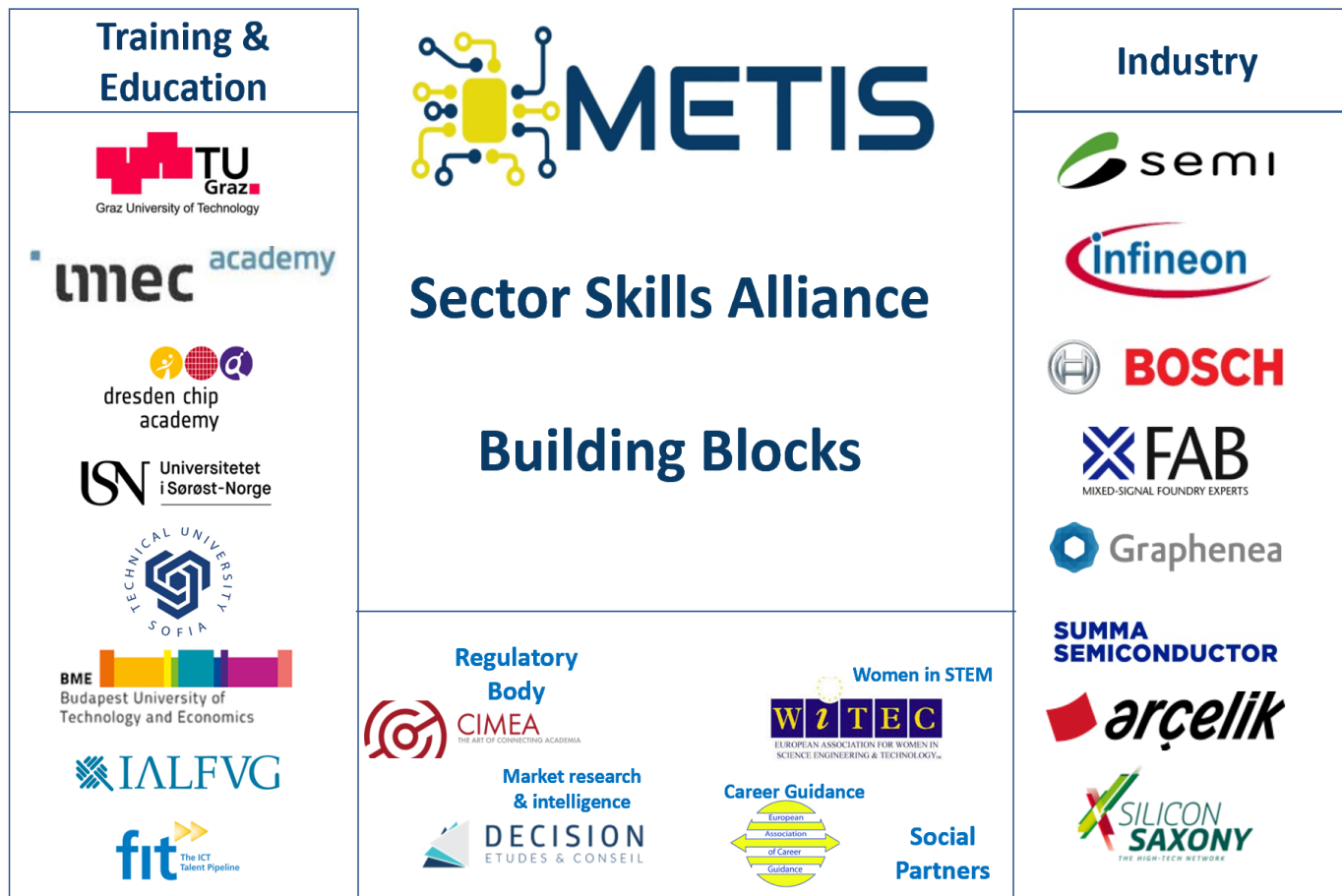
Emir Demircan

Director of Advocacy and Public Policy, Europe



**CONNECT ♦ COLLABORATE ♦ INNOVATE ♦ GROW ♦ PROSPER**

# METIS Partnership



covers the microelectronics ecosystem; multiple stakeholders; and all education levels (from high school to professional courses)

# METIS Partnership: a multi-stakeholder initiative

## Industry

- SEMI
- Bosch
- Infineon
- X-FAB
- Graphene
- Silicon Saxony
- Summa Semiconductor
- Arcelik

## Education

- imec.academy
- Dresden Chip Academy
- Tech Uni Graz
- Tech Uni Sofia
- Tech Uni Budapest
- IAL
- FIT
- Uni of SE Norway

## Strategy & Consulting

- DECISION

## Civil Society

- European Association of Women in Tech
- European Association of Career Guidance in STE(A)M

## Public

- CIMEA (Certification Body)



# METIS key goals

Establish an EU Microelectronics Observatory & monitor key trends (technical, social, political...) and their impact on businesses' skills needs

Provide education institutions with industry feedback on the needs of next generation microelectronics training

Innovative Learning: Develop innovative curriculum & mechanisms of delivery (blended education: modular, work-based + online learning)

Embed sustainability & social responsibility policy principles at work

Support cross-border labour / student mobility in Europe

# METIS KPIs

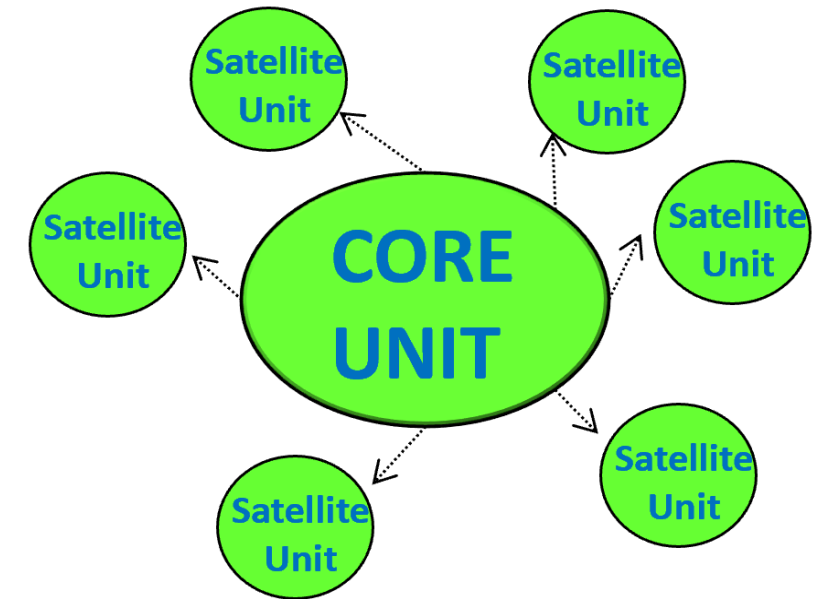
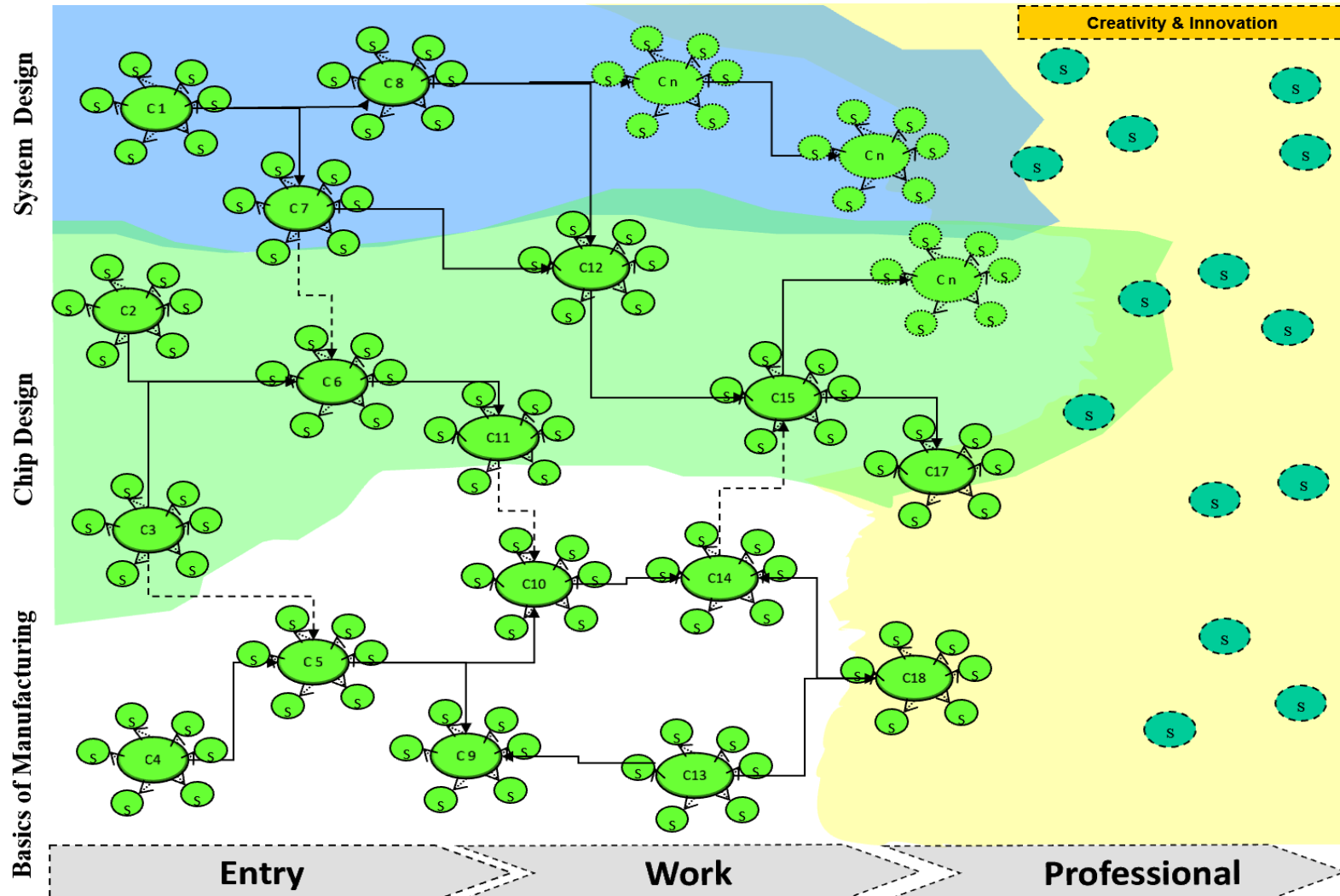
#	KPI	Quantification
1	Skills Strategy	1
2	Best practices of training	20
3	Monitoring Methodology	1
4	Yearly Monitoring Reports	3
5	Occupational Profiles	3
6	METIS Curriculum	1
7	Training Modules	43
8	Learners involved in validation	900
9	MoU signed for recognition/certification	100
10	Learners using the Open Education Platform	2,000
11	Education providers adapting METIS curriculum	200
12	Long Term Action Plan	1
13	Microelectronics Observatory & Skills Council	1
14	Stakeholders participating in Observatory & Skills Council	150

# METIS: focused on key technologies & skills development

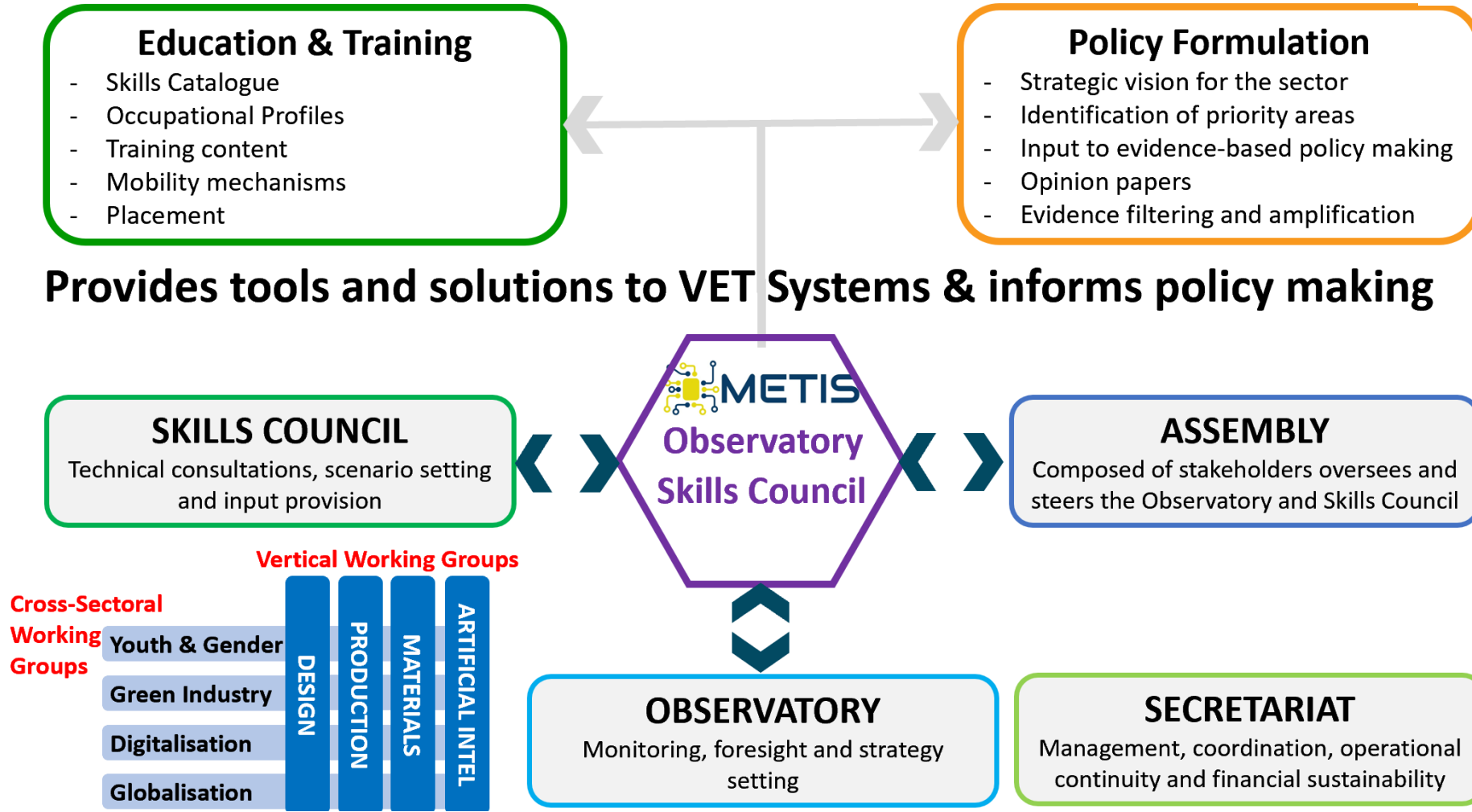
Area	Total Teaching Hours	# of Modules	EQF levels (4: technician – 7:engineer)
1. Component Design	300	10	4 to 6
2. System Design	400	13	4 to 6
3. Basics of manufacturing	300	10	4 to 6
4. Key Competences & Innovative Thinking	100	10	5 to 7

# METIS approach: Modular & Innovative

- METIS Module and Units & Curriculum's Structure



# METIS Governance





# Branding:

## METIS: **M**icro**E**lectronics **T**raining, **I**ndustry and **S**kills

METIS embodies strong European values and representation: the logo represents the European Flag stylised as a microprocessor component, with the stars as elements of the circuitry

METIS was inspired by Greek Mythology: **Metis** was the **goddess of wisdom, prudence and deep thought, good counsel and cunning**. The Acronym reflects the ambition of the proposal that aims at becoming the source of:

- “wisdom” for the employees – current and prospective – of the microelectronics sector through the innovative METIS curriculum and training tools;
- “good counsel” for the policy makers, by informing the evidence-based policy formulation through the Skills Strategy, the Long-Term Action Plan and the Observatory & Skills Council
- “cunning” for the industry to regain and maintain global leadership in this critical sector

Thank you!      Questions?  
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