

# VET provider solutions – The DevOps case

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# DevOps work plan at a glance

Identify Europe-wide emerging job profiles for smart cities DevOps professionals along with their competences

Instructional planning (VET curricula, training methodology, content selection and development)

Pilot training

Continuous assessment

Develop a community of practice for smart city training needs

## Extended survey of the smart cities sector's needs and requirements



- Study of similar projects
- Review of competence frameworks (e.g. eCF) and ESCO database
- Search for press releases/publications/announcements of smart cities administrations
- Survey of VET offer for the smart cities sector



- Quantitative questionnaire to more than 60 smart city experts
- Interviews with smart city professionals
- Job roles' competence questionnaire

### SC Planner

High level  
official drawing  
strategies and  
monitoring their  
implementation

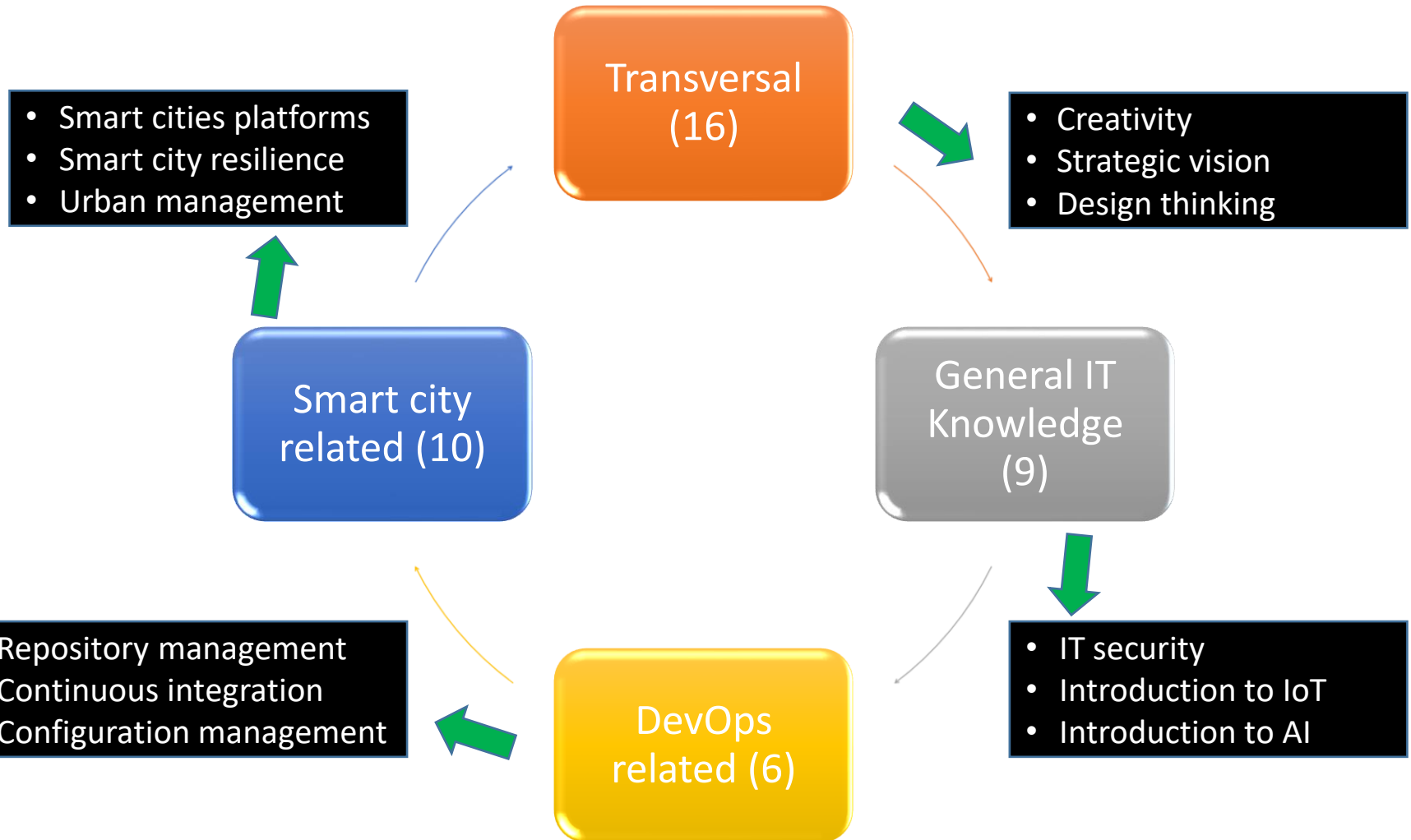
### SC IT Head

Management  
and  
coordination of  
ICT solutions  
definition,  
deployment and  
operation

### SC IT Officer

Technical  
expertise on  
design,  
development  
and operation of  
ICT systems and  
services

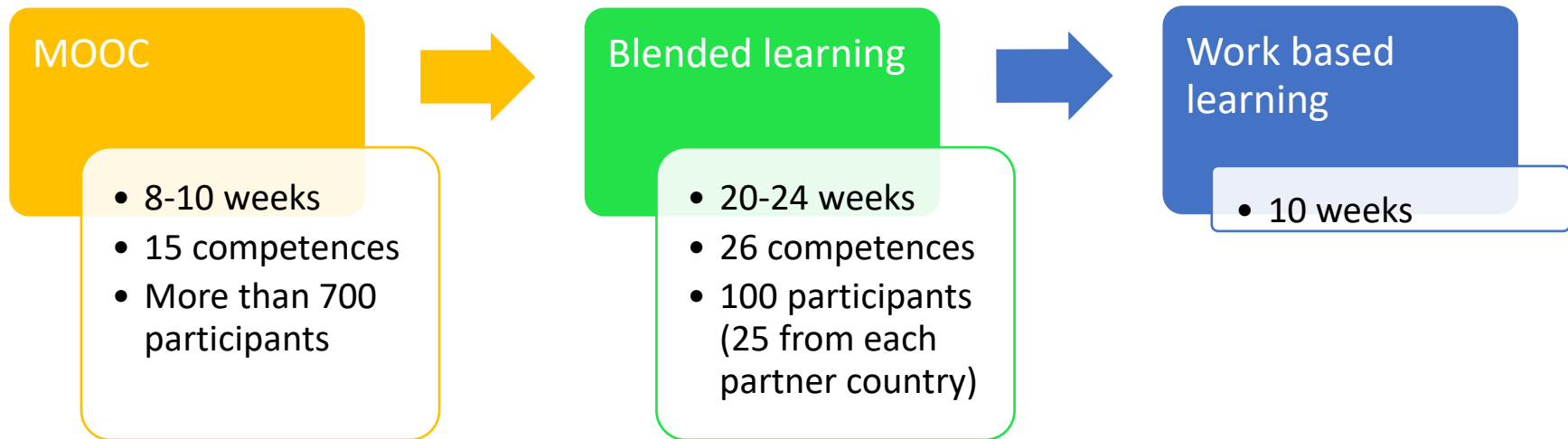
## Competences



- Based on the **needs analysis** phase
- Questionnaires filled by smart city experts/professionals delineated **optional and mandatory competences** per job role
- Compilation of **four national reports** (Greece, Cyprus, Italy and Germany)
- Creation of **three VET curricula** – one for each job role – considering mandatory competences

☐	Smart-City-Planner☐		SC-IT-Head☐		SC-IT-Officer☐	
	Mandatory☐	Optional☐	Mandatory☐	Optional☐	Mandatory☐	Optional☐
<b>TRANSVERSAL-SKILLS☐</b>						
1.-Creativity☐	XXXX☐	☐	XXXX☐	☐	XXX☐	X☐
2.-Entrepreneurial-Thinking☐	XXXX☐	☐	XXXX☐	☐	-XXXX☐	X☐
3.-Ability-to-work-in-a-Team-(including-co-operating-in-an-ad-hoc-fashion;-being-co-operative)☐	XXXX☐	☐	XXXX☐	☐	XXXX☐	☐
4.-Social-Skills☐	XXXX☐	☐	XXXX☐	☐	XXXX☐	☐
5.-Ambiguity-Tolerance☐	XXXX☐	X☐	XXX☐	☐	-X☐	XXX☐
6.-Motivation-to-Learn-(&-Continuous-Learning)☐	XXXX☐	☐	XXXX☐	☐	XXXX☐	☐
7.-Emotional-Intelligence☐	XXXX☐	☐	XXXX☐	☐	☐	XXXX☐
8.-Strategic-Vision-&-Strategy-Development-(including-switching-from-operational-to-strategic-competences)☐	XXXX☐	☐	XXXX☐	☐	....X☐	XXX☐
9.-Intercultural-Skills☐	XXXX☐	☐	...XXX☐	X☐	-X☐	XXX☐

# Training methodology



- Instructional design framework based on the **ADDIE model**
- Competences as **training modules**
- Definition of **learning outcomes**
- Own production of **suitable content**
- Integration of **freely available resources** to complement the main learning objects (e.g. videos, articles, etc.)
- **ECVET** points allocation to each training module





- **15 competences** from all competence categories
- Estimated **effort** 5-10 h/week
- **English** language
- No **prerequisites**
- No **fees**
- **Duration** 3 months
- **Certification** awarded
- **980 registrations**

Week	Starting Date	Module
<b>1</b>	19/10/2020	Creativity
<b>2</b>	26/10/2020	DevOps Basic Concepts, Culture and Practices
<b>3</b>	02/11/2020	Entrepreneurial Thinking
<b>4</b>	09/11/2020	Basic Concepts of Cloud Computing
	09/11/2020	Basic Concepts of Data Analytics
<b>5</b>	16/11/2020	Project & Process Management (part 1)
	16/11/2020	Stakeholder Management
<b>6</b>	23/11/2020	Motivation to Learn
	23/11/2020	Ability to Work in Teams
<b>7</b>	30/11/2020	Reflection Week
<b>8</b>	07/12/2020	Strategic Vision
	07/12/2020	Smart Cities Platforms
<b>9</b>	14/12/2020	Basic Concepts of Internet of Things
	14/12/2020	Social Skills
<b>10</b>	04/01/2021	System and Software Architecture
	04/01/2021	Smart Cities Business Models and Financial Management
<b>11</b>	11/01/2021	Reflection Week

# Thank you for your attention!



<http://devops.uth.gr>



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EAOT  
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Digital Cities Central Greece S.A.



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ENHANCING  
DIGITAL SKILLS  
ACROSS EUROPE  
ALL  
DIGITAL



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beruflicher Bildung  
(Bildungsverband) e.V.



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