

DE LA RECHERCHE À L'INDUSTRIE



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European Network on Education and Training
in Radiological Protection



ETRAP 2017

TRAIN-THE-TRAINER COURSE FOR RADIATION PROTECTION PROFESSIONALS

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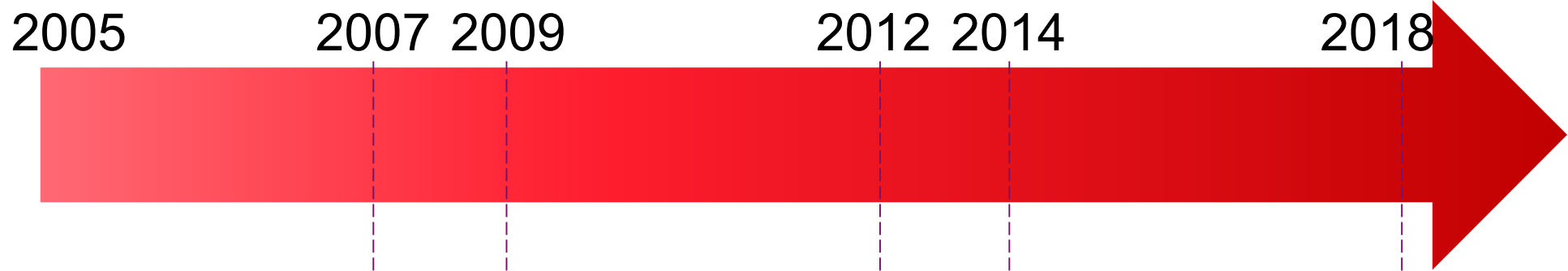


- **1 – Context of the train-the-trainer course**

- **2 – ENETRAP III Train-The-Trainer course for
Radiation Protection Professionals**

- **3 – Results of the pilot session & improvements**

- **4 – Conclusion**

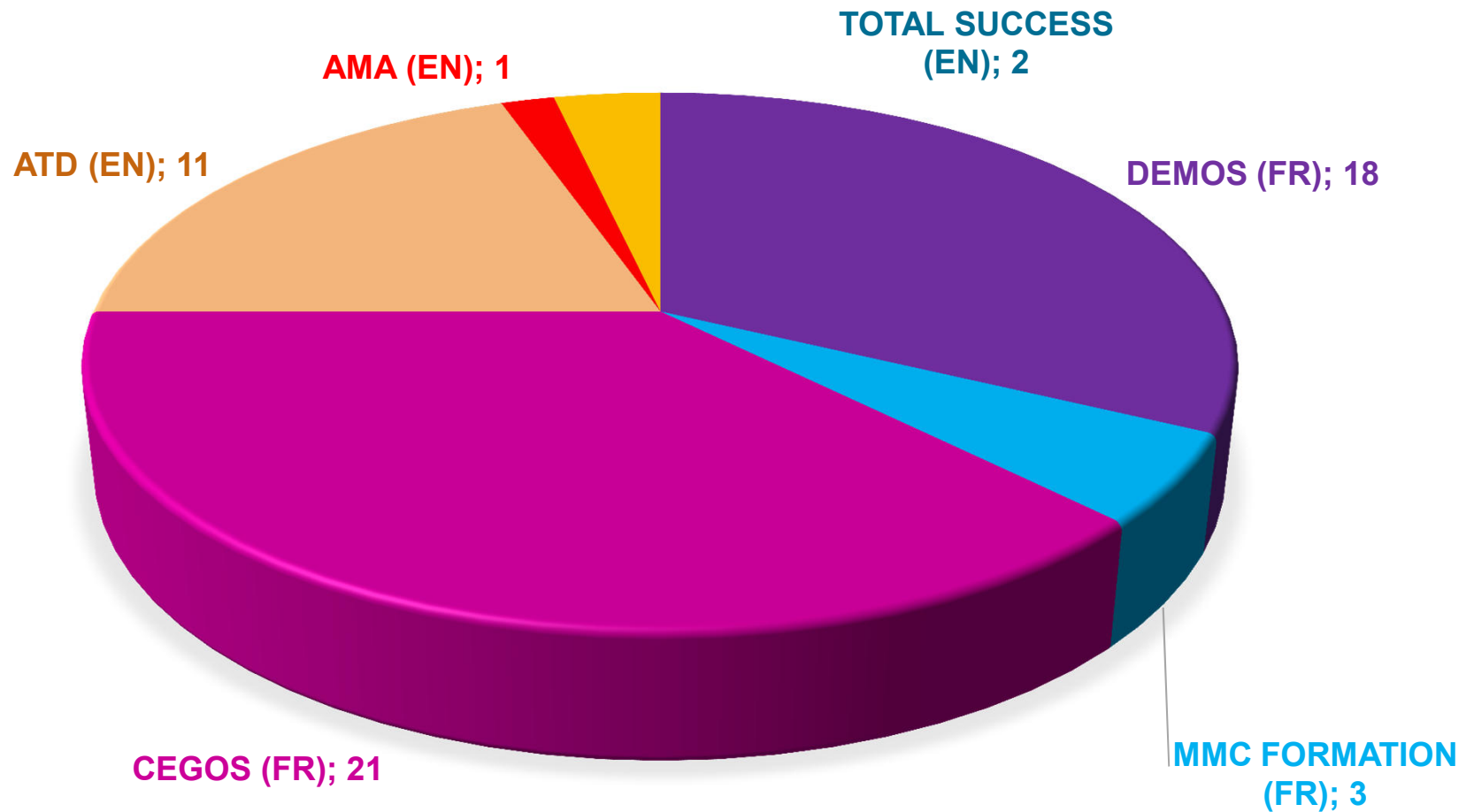


**COUNCIL DIRECTIVE
2013/59/EURATOM
of 5 December 2013**

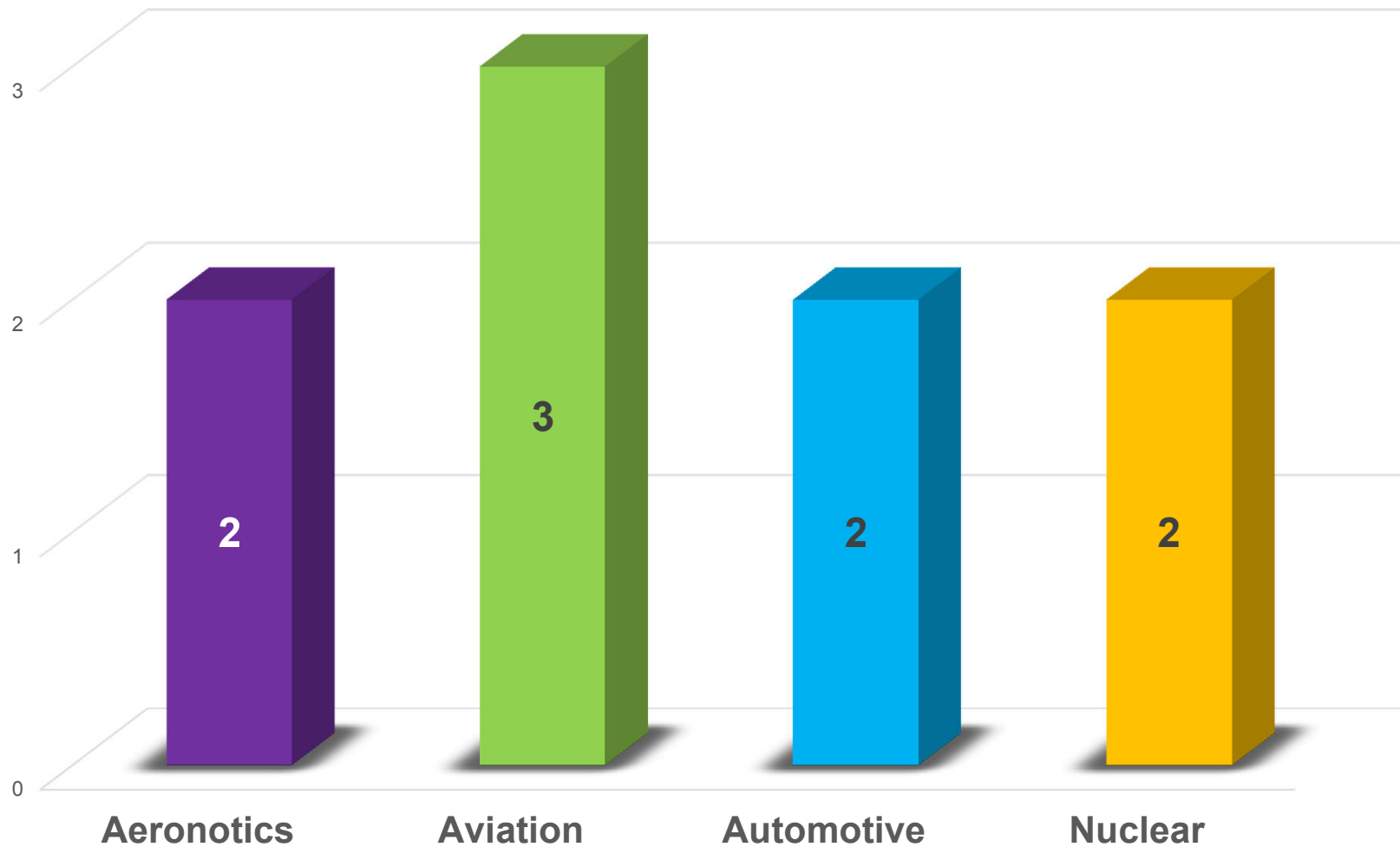


**WP4
Train-The-Trainer course
for Radiation Protection
Professionals**

GENERIC TRAIN-THE-TRAINER COURSES








SPECIALIZED TRAIN-THE-TRAINER COURSES



OBJECTIVES OF THE TRAINING COURSE



- Design training activities using the **ECVET approach**
- Identify the different **European tools** designed to support professional mobility
- Design **playful and relevant learning situations**,
- Identify **innovative training tools**
- Identify the **training basic principles and good practices**
- Give a **short training session** in front of a specialized audience

	Monday	Tuesday	Wednesday	Thursday	Friday
09:00	Introduction to TTT course: objectives & programme	Training design methodology: group work & practical exercises	Digital tools: presentation & practical work	Technical visit: works & demonstration 	Deliver a training session in front of a specialized audience
10:00	Round table: crossed presentation / Sharing & feedback experience		Technical visit: calculation software for dose calculation 	How to design relevant learning materials?	
11:00					
12:00	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
13:00					
14:00	ECVET approach: principles & practical exercises	The fundamentals of training adults: learning factors & good practices	Technical visit: DOSEO 	Prepare a training session	Analysis & debriefing of the training sessions
15:00		Technical visit: Practical field school 	Technical visit: virtual space VERT 		Evaluation & conclusion of the TTT session
16:00	Conclusion & key points	Conclusion & key points	Conclusion & key points	Conclusion & key points	

Various innovative teaching methods and tools for the trainer
Towards a "pedagogical mix"

Scenarios

Digital tools

Practical exercises

Group work

Handling

Interactive presentations

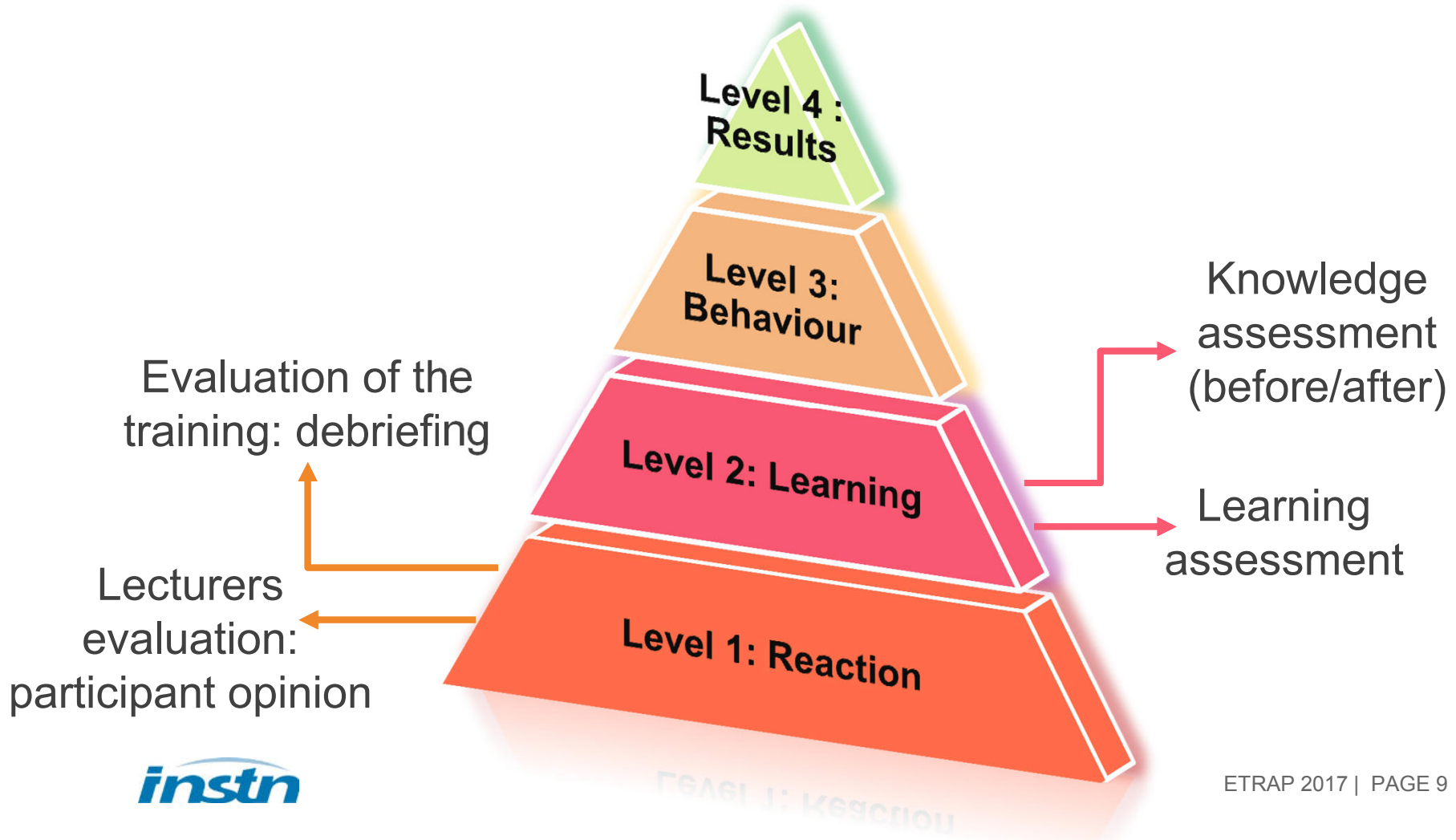
(Self-)assessments

Discussion

Technical visits

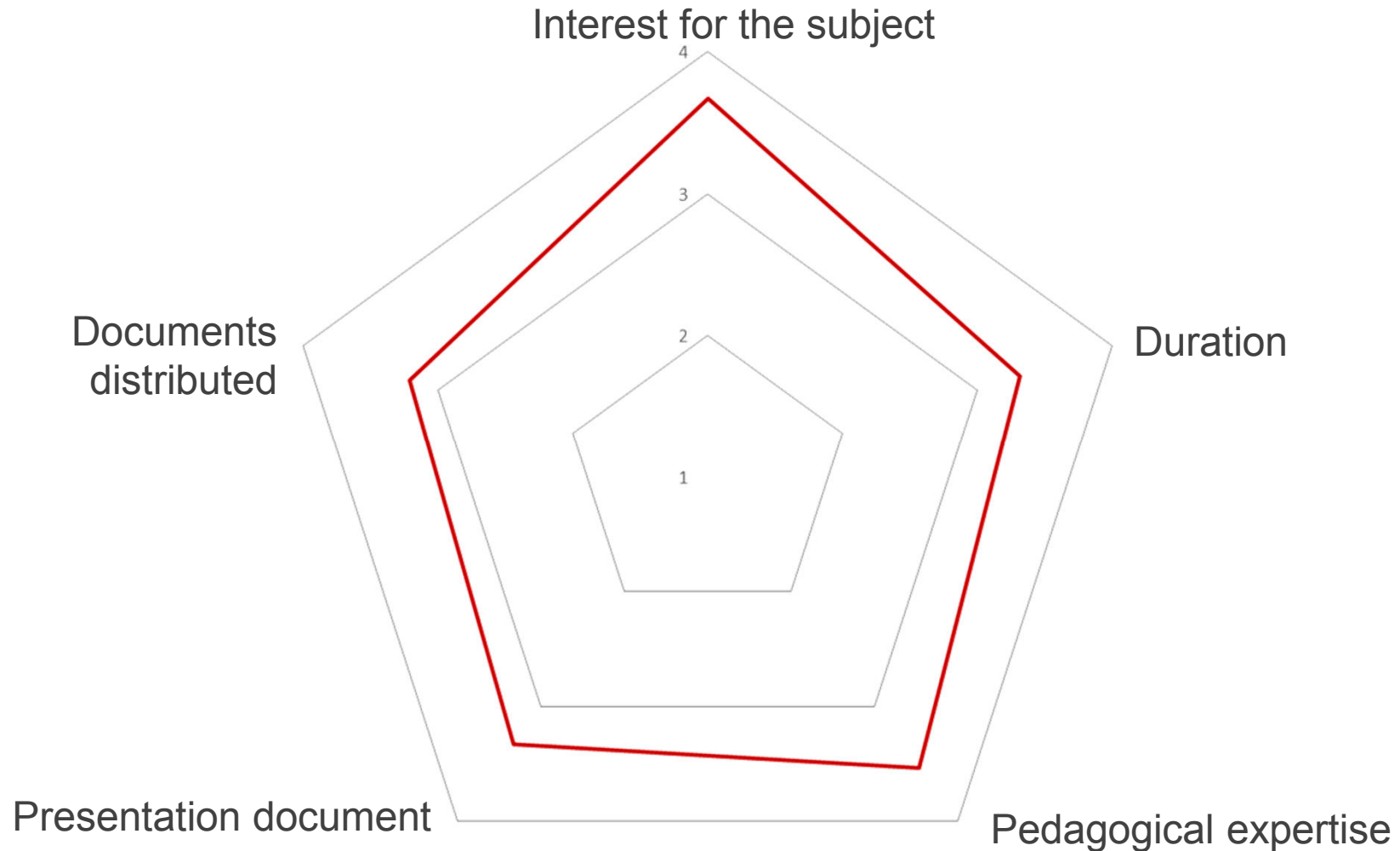


Use of the Kirkpatrick model



LECTURERS EVALUATION: PARTICIPANTS OPINION

GENERAL AVERAGE OF THE TTT COURSE



EVALUATION OF THE TRAINING: DEBRIEFING

What do you think of the size of 5 consecutive days?

What do you think of the structure & sequence of the sequences?

What sequence did you find most relevant? Why?

And the least relevant sequence? Why?

What would you add, delete, see differently in this training?

What do you think of the size of 5 consecutive days?

What do you think of the structure & sequence of the sequences?

What sequence did you find most relevant? Why?

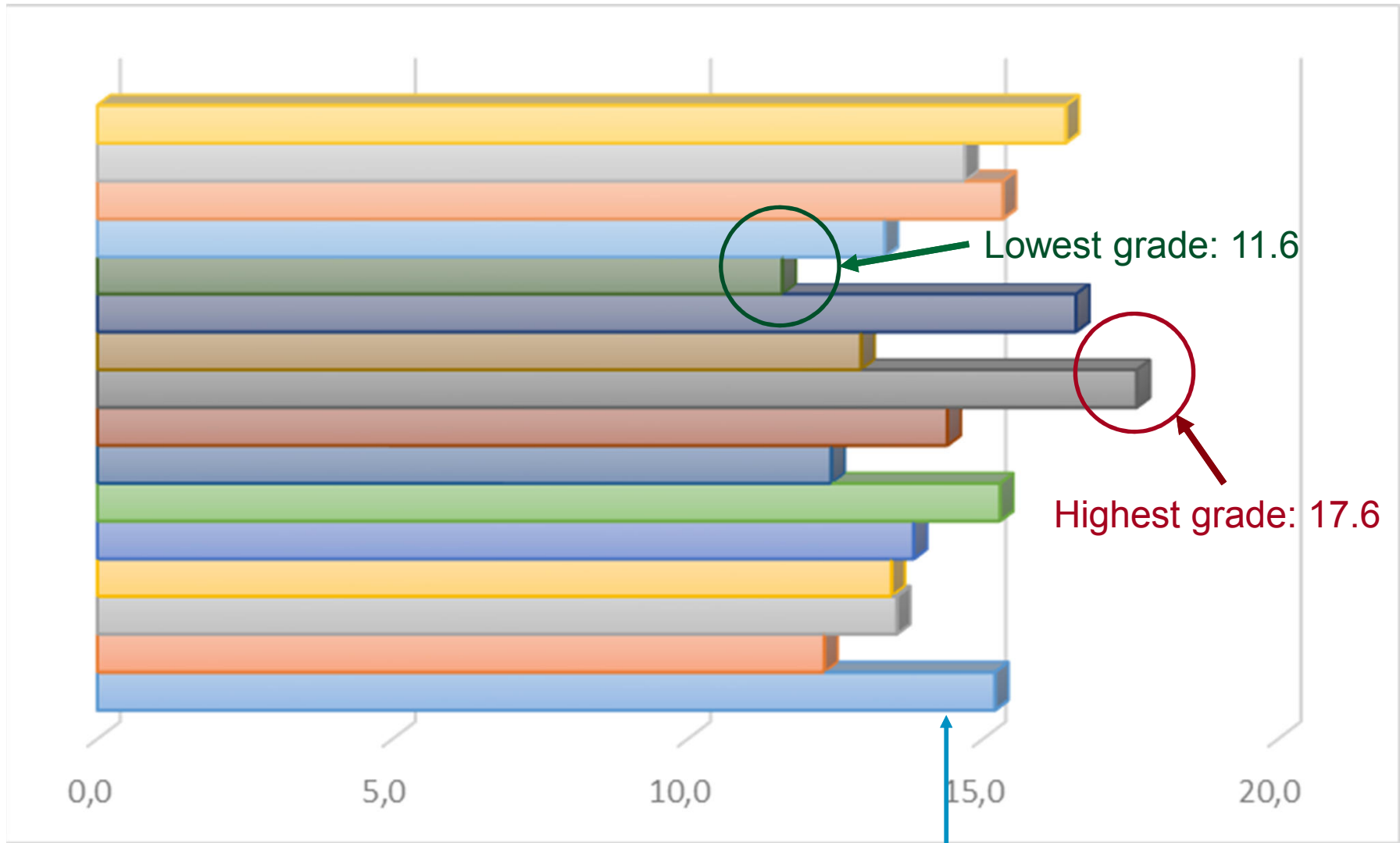
And the least relevant sequence? Why?

What would you add, delete, see differently in this training?

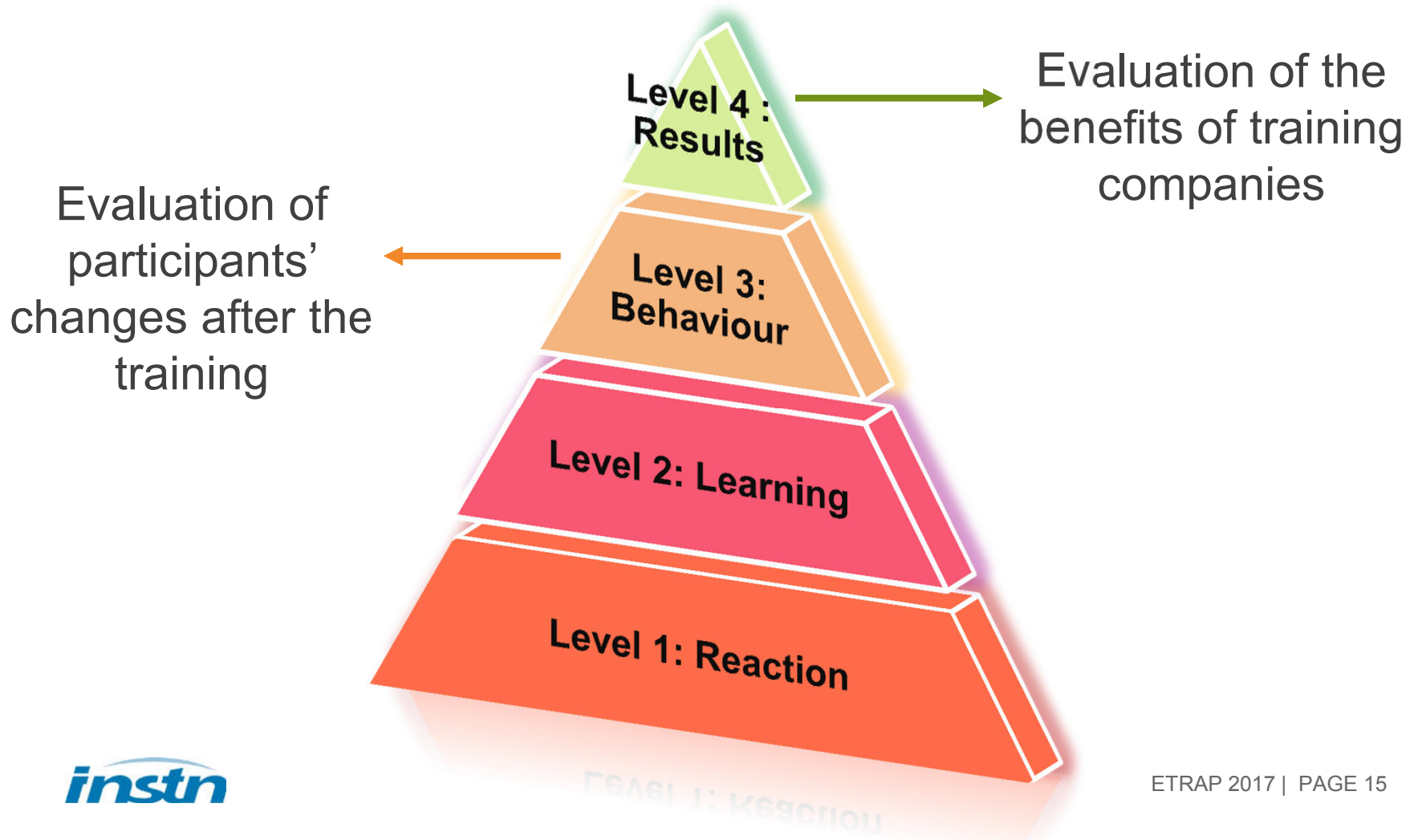
- **Everyday evaluation learning**
- **The ECVET approach: too early**
- **More time on practical work sequences**
- **Add a sequence on speaking**
- **Present digital tools earlier**
- **1 or 2 days sharing experience**

BEFORE/AFTER ASSESSMENT















Kirkpatrick model



PREVIOUS PROGRAMME

	Monday	Tuesday	Wednesday	Thursday	Friday	
09:00	Introduction to TTT course: objectives & programme	Training design methodology: group work & practical exercises	Digital tools: presentation & practical work	Technical visit: works & demonstration 	Deliver a training session in front of a specialized audience	
10:00	Round table: crossed presentation / Sharing & feedback experience		Self-assessment: what trainer are you?	Technical visit: calculation software for dose calculation 		How to design relevant learning materials?
11:00				ECVET approach: context		
12:00	Lunch	Lunch	Lunch	Lunch	Lunch	
13:00	ECVET approach: principles & practical exercises	The fundamentals of training adults: learning factors & good practices	Technical visit: DOSEO 	Prepare a training session	Analysis & debriefing of the training sessions	
14:00		Technical visit: Practical field school 	Technical visit: virtual space VERT 		Evaluation & conclusion of the TTT session	
15:00			Conclusion & key points			Conclusion & key points
16:00	Conclusion & key points	Conclusion & key points	Conclusion & key points	Conclusion & key points		

IMPROVED PROGRAMME

	Monday	Tuesday	Wednesday	Thursday	Friday
09:00	Introduction to TTT course: objectives & programme	Training design methodology: group work & practical exercises	Digital tools & practical work	ECVET approach: context, principles & practical work	Deliver a training session in front of a specialized audience
10:00	Round table: crossed presentation / Sharing & feedback experience		How to design relevant training material/ Different teaching methods		
11:00	Self-assessment: what trainer are you?			Self-assessment: debriefing	
12:00	Lunch	Lunch	Lunch	Lunch	Lunch
13:00					
14:00	Short training delivery	The fundamentals of training adults: learning factors & good practices	Speaking: improvisational theatre exercises	Prepare a training session	Analysis & debriefing of the training sessions
15:00	Technical visit: practical field school 	Technical visit: works & demonstration 	Technical visit: calculation software for 		Evaluation & conclusion of the TTT session
16:00	& conclusion	& conclusion	& conclusion	Learning evaluation & conclusion	
			Optional technical visit: VERT 	ETRAP 2017 PAGE 17	

**The French pilot session
=
Relevant, effective and useful**

**Implementation of
the English pilot
session**

**Extension to other
areas of nuclear
expertise**



Commissariat
à l'énergie
atomique

Ministère
de l'Éducation

instn

stitut national des sciences techniques nucléaires

Register now!

Relevant & useful tools for the trainer

Listening & availability

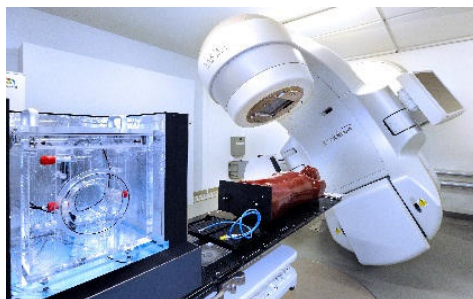
Training of a new type

Lots of practical works

Various pedagogical methods & activities

Yes! Register now!

Thank you for your attention



Any questions?