

## Invitation to the EUMETCAL Hackathon on Advanced Radar Meteorology

### 3 - 7 November at KNMI

Dear Community Members and Friends,

After the positive experiences during the past years, we will host two more EUMETCAL hackathons in 2025. The second EUMETCAL hackathon in November will focus on materials that will teach people how to use Doppler radar velocity products and how to use conceptual models for interpreting radar data for the purpose of nowcasting. The aim of this week is to jointly develop a functional prototype of a self-paced online training course.

#### Detailed information:

##### Date and venue:

- Monday, 3.11.2025 12.00 CET to Friday 7.11.2025 1200 CET  
At KNMI, Utrechtseweg 297, De Bilt, The Netherlands. More detailed information about accommodation and travel will be communicated at a later stage.

##### Target audience (hackathon participants):

- Trainers, Instructional Designers
- Subject Matter Experts (Forecasters, Researchers)  
*Subject Matter Experts (SMEs) are needed to help gather information for the modules.  
There is no need for expertise in developing online learning.*

##### Goals:

- Collaborative development of a working prototype of one online learning module per group, which can then be finalised by the EUMETCAL instructional designers and made available to the whole community.
- Hackathon participants will learn about rapid prototyping and gain new skills in developing online learning modules.

##### Topic:

- Analysis of Doppler radar velocity products (Radar Interpretation Skill 2)
- Use of conceptual models to deduce the presence of related weather phenomena in radar products (Radar Interpretation Skill 4)
- Radar-based nowcasting (Radar Interpretation skill 6 in WMO competencies)

##### Expectations:

- Attendance of an online pre-hackathon meeting in Q3
- Collection of already existing materials before the hackathon (estimated time needed: 4-5h)
- Active participation during the Hackathon week

##### Costs:

- The costs for the travel and accommodation need to be covered by your organisation, the cost for the food throughout the day will be covered by EUMETCAL.

### Program:

The program consists of daily meetings and collaborative course development phases. During these group work phases, there will be coffee breaks to reactivate your creativity!

Every group will be accompanied and supported by an Instructional Designer.

The program will look more or less like this.

	Monday	Tuesday	Wednesday	Thursday	Friday
<b>0830 - 0900</b>	Travel	Daily Warm-Up Meeting	Daily Warm-Up Meeting	Daily Warm-Up Meeting	Daily Warm-Up Meeting
<b>0900 - 1200</b>		Collaborative course development in groups	Collaborative course development in groups	Collaborative course development in groups	Collaborative course development in groups  Show & Tell
<b>1200 - 1300</b>		Lunch	Lunch	Lunch	<b>Hackathon closing</b>
<b>1300 - 1330</b>	Hackathon Kick-off	Update Meeting	Update Meeting	Update Meeting	Travel home
<b>1330 - 1630</b>	Collaborative course development in groups	Collaborative course development in groups	Collaborative course development in groups	Collaborative course development in groups	

### Registration:

- For the registration, please click on [this link](#).
- Please register until the **13<sup>th</sup> of June 2025**

### We are looking forward to your participation!

The EUMETCAL Program Management Team

& Annakaisa von Leber and Hidde Leijnse on behalf of OPERA