

Introducing to Training VII ClimED

Universitat Rovira i Virgili

Vila-seca, Tarragona, Spain

April 7-11, 2025

Technical Aspects

- Burocratic
 - Application deadline: March 31
 - Invitations(ASAP) (jonxavier.olano@urv.cat)
 - Official Announcement (by this week).



Objective

- Reach the main workflow of a climate service: From Data To Service
 - Manage climate data
 - Compute Climate Products
 - Co-define and compute sectorial indices
 - Create a Climate Service Prototipe

Learning outcomes of the course

Understand the complete workflow of a climate service, from data management to final service delivery.

Effectively communicate climate service results and products to different audiences, ensuring accessibility and clarity.

Learning Outcomes

- Manage Climate Data and derive climate products (April 7).
 - Acquire and manage climate data from various sources, ensuring proper quality control and fo
 - Apply preprocessing and data-cleaning techniques in RStudio, including handling missing data and quality assurance.rmatting for analysis.
 - Compute basic climate products using Climpact (online version and desktop version in R).

Learning Outcomes

- Co-define and compute sectorial índices (Tuesday 8)
 - Co-define sector-specific climate indices (recovery of the work done in Trainin IV).
 - Implement and compute sectoral indices using RStudio and Shiny, evaluating their relevance and applicability in different contexts.

Learning Outcomes

- Create a Climate Service Prototype (Tuesday & Wednesday 9-10 April)
 - Design and implement an interactive Shiny interface for climate data visualization and analysis.
 - Implement and compute sectoral indices using RStudio and Shiny, evaluating their relevance and applicability in different contexts.

Learning Outcomes

- Create a Climate Service Prototype (Tuesday & Wednesday 9-10 April)
 - Design and implement an interactive Shiny interface for climate data visualization and analysis.
 - Implement and compute sectoral indices using RStudio and Shiny, evaluating their relevance and applicability in different contexts.

Temptative Agenda

Developing a Climate Service Prototype					
January					
	7 Monday	8 Tuesday	9 Wednesday	10 Thursday	11 Friday
9.00	Registration				
9.30	Welcome	GIS applications in climate services (TBC)	Practice V. Creating a Shynni App (supported by IA if necessary)	How to Evaluate the Ecological Conditions of Ecosystems and Their Relationship to Ecosystem Services (TBC)	Group Presentations of the CS based on Shiny App
10.30	Climate Indices	Practice III. Definition of sectorial indices		Practice	
11.30	ClimPact				
12.30	User Friendly Climate Data Historical Projection	Practice IV. Computing sectorial indices		Certificates Ceremony	
13.30	LUNCH				
14.30	Recovering the indices co-defined during training IV	Introduction to RSTUDIO and Shiny	Practice V. Creating a Shynni App (supported by IA if necessary)	Practice	
15.30	Practice II. Download user friendly projection data			Steering Committee	
16.30					