

# CAPACITY BUILDING RESOURCES GATEWAY



### The Challenge

Earth Observations (EO) can help policymakers around the world make more informed decisions to address natural disasters, land management issues, the impacts of climate change, and other environmental issues. However, policymakers and community members first need to develop the capacity (knowledge and skills) to use EO in their work. Your challenge is to create a user-friendly virtual gateway of capacity-building resources that will help professionals of all levels and disciplines find the training they need to apply EO.

### **Objectives**

Your challenge is to create a user-friendly online gateway of capacity-building resources that will help both beginners and advanced professionals find the training they need to apply EO. Your gateway will need to address the needs of a variety of communities; think about how you can include as many EO and remote sensing training resources as possible (hint: the Resources tab for this challenge is a great place to start!). How will gateway users navigate and find the right capacity-building resources based on their needs and interests?

# INTERFACE



#### THE GATEWAY

This is the gateway. Use it to find info and training relevant to you.

#### What is your role?

- ☐ General Public
  ☐ Intern
  ☐ Subject Matter Expert
  ☐ Decision Maker
- ☐ EO Researcher ☐ Citizen Scientist
- ☐ Data Analytst

### What topic areas do you want to learn about?

☐ Capacity Building
☐ Disaster Readiness
☐ Ecological Forecasting
☐ Health & Air Quality
☐ Water Resources
☐ Wildfire Readiness
☐ Sustainable Development
☐ Food Security
☐ Biodiversity and Ecosystem Sustainability
□ Public Health
□ Climate
☐ Air Quality

What resources are you looking for?



data sets and databases

### THE GATEWAY

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#### Resources

ID	123
Туре	Course
Name	Winter-Water-Warming: Canadian SAR Applications
Author	EO College
Rating	4.5/5
Description	From the course description: "In this course, we will introduce you to how Canadians research, develop and utilize radar remote sensing technology for mapping and environmental monitoring."
Credits	RADAR warrior     Skilled beginner     Climate carer
Tags	Capacity Building Water Resources Climate Ecological Forecasting

Submit a review for this resource...

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Portal landing page and 1-up view of a single resource.

The gateway portal would offer users with a way to quickly and efficiently filter EO resources.

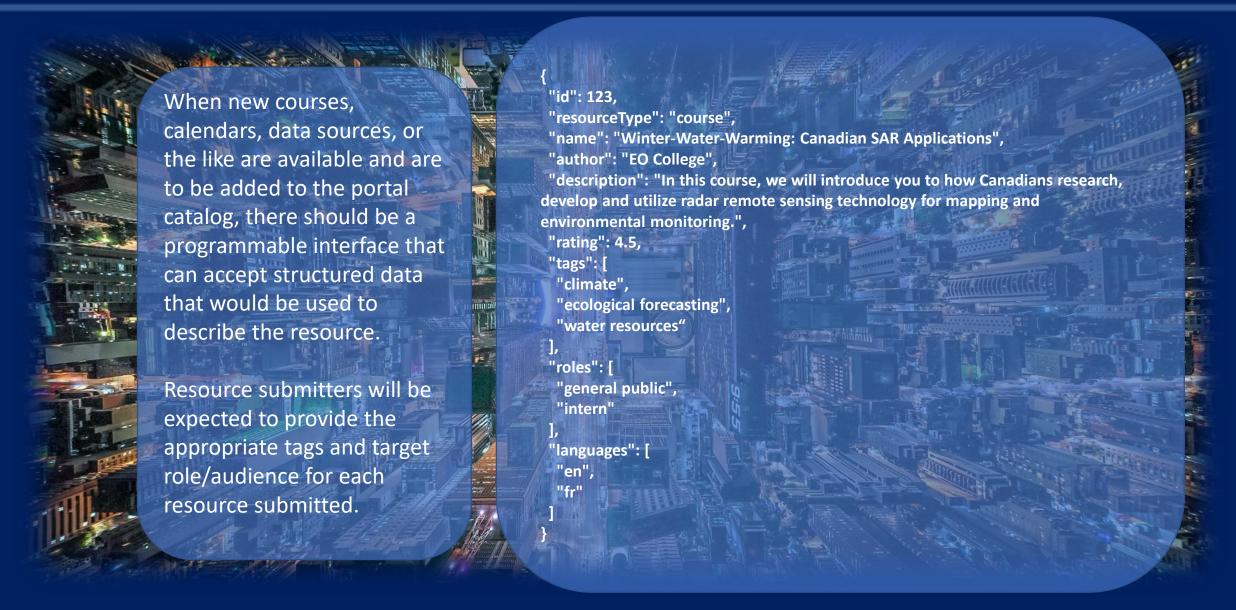
The primary pivots of resources surfaced in the gateway would be:

- User role
- Topics of interest

Said filters would be stackable – thus, a user can filter both on multiple roles and topics of interest.

# **ADDING NEW RESOURCES**





## **IMPROVEMENTS TO SPACE AGENCY DATA**



While completing this challenge, one resource referenced as an example of a EO capacity planning portal was the NASA Earth Science Applied Science website,

On this site's landing page, they break down resources into nine major groups. It's only by navigating into the informational landing page of the 'capacity building' group/area and exploring the ARSET initiative heading that direct training resources are visible.

Additionally, once on the ARSET landing page (http://www.dashield.com/

Aside from user navigation improvements (making it take fewer clicks and more discoverable to get to ARSET listings), tags, relevant roles, and course ratings could be surfaced over course 'levels' for ARSET training listings, in order to make it easier for users to decide whether a training is relevant to them.

### **EXAMPLE CONTENT SOURCES**









