

# ECMWF – DESTINATION EARTH

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## AVISO DEEP DIVE

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Funded by  
the European Union

**Destination Earth**

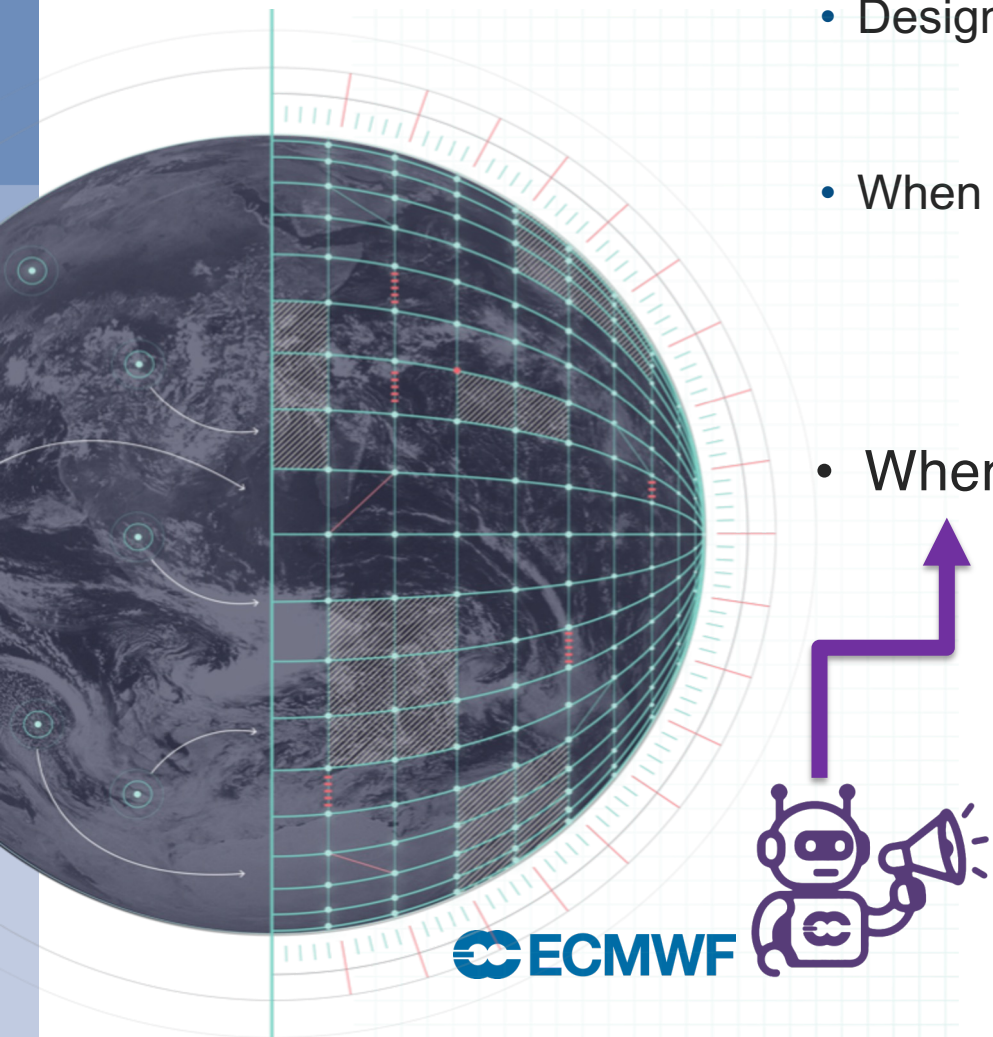
implemented by



# WHAT IS AVISO

## AVISO

- Notifies of data availability from the ECMWF and DestinE
- Designed to integrate with and automate downstream workflows
- When «**this**» do «**that**»



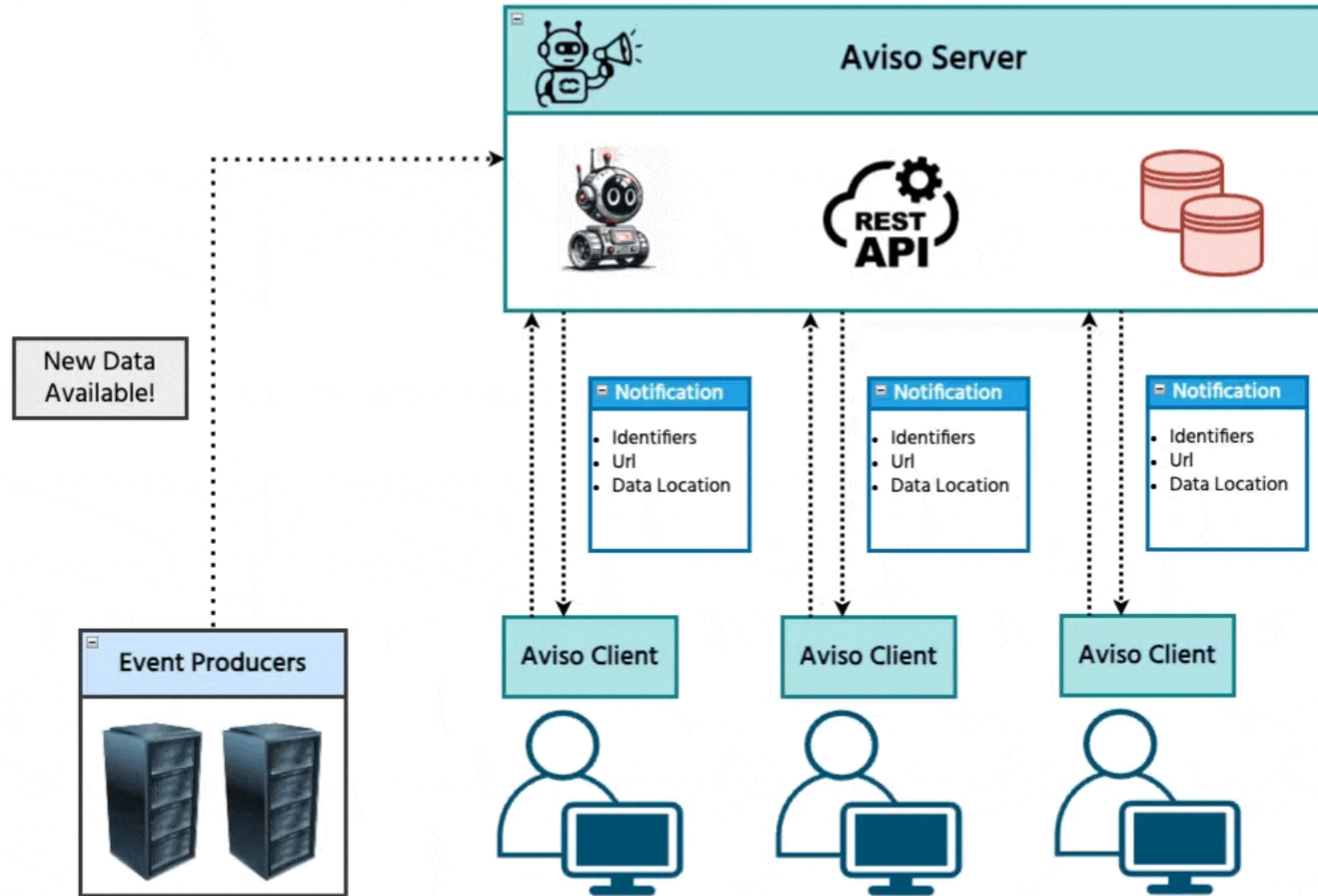
• When

New ECMWF data available  
today's Extremes DT available  
new Climate DT available  
on-demand DT available  
ECPDS product available

do

run my analysis  
plot the new data  
update my website  
schedule another DT

# HOW DOES IT WORK



# USING AVISO AS A PYTHON API

Aviso can be used as a Python API. Below an example:

```
from pyaviso import ListenerManager

# define function to be called
1 def do_something(notification):
    # do something with the notification
    ...

# define the trigger
2 trigger = {"type": "function", "function": do_something}

# create a event listener request that uses that trigger
3 request = {"destination": "FOO", "stream": "enfo", "time": 0}

4 listener = {"event": "dissemination", "request": request, "triggers": [trigger]}
listeners = {"listeners": [listener]}

# run it
5 aviso = ListenerManager()
aviso.listen(listeners=listeners)

# wait ...
```

# THE AVISO-EXAMPLES REPOSITORY



Comprehensive User Guide tailored to DestinE



7 ready-to-run Python examples (simple → advanced)



End-to-end demo: notification → download → plot



Copy-paste configs, endpoints, troubleshooting



The go-to resource for DestinE Aviso usage

# Checkout the Repository [Here](#)

## 🔗 **Aviso for Destination Earth — Extremes Digital Twin**

This repository provides documentation and example scripts for using **Aviso** to receive data-availability notifications for **Destination Earth (DestinE) Digital Twin** data, with a focus on the **Extremes Digital Twin (Extremes-DT)**.

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