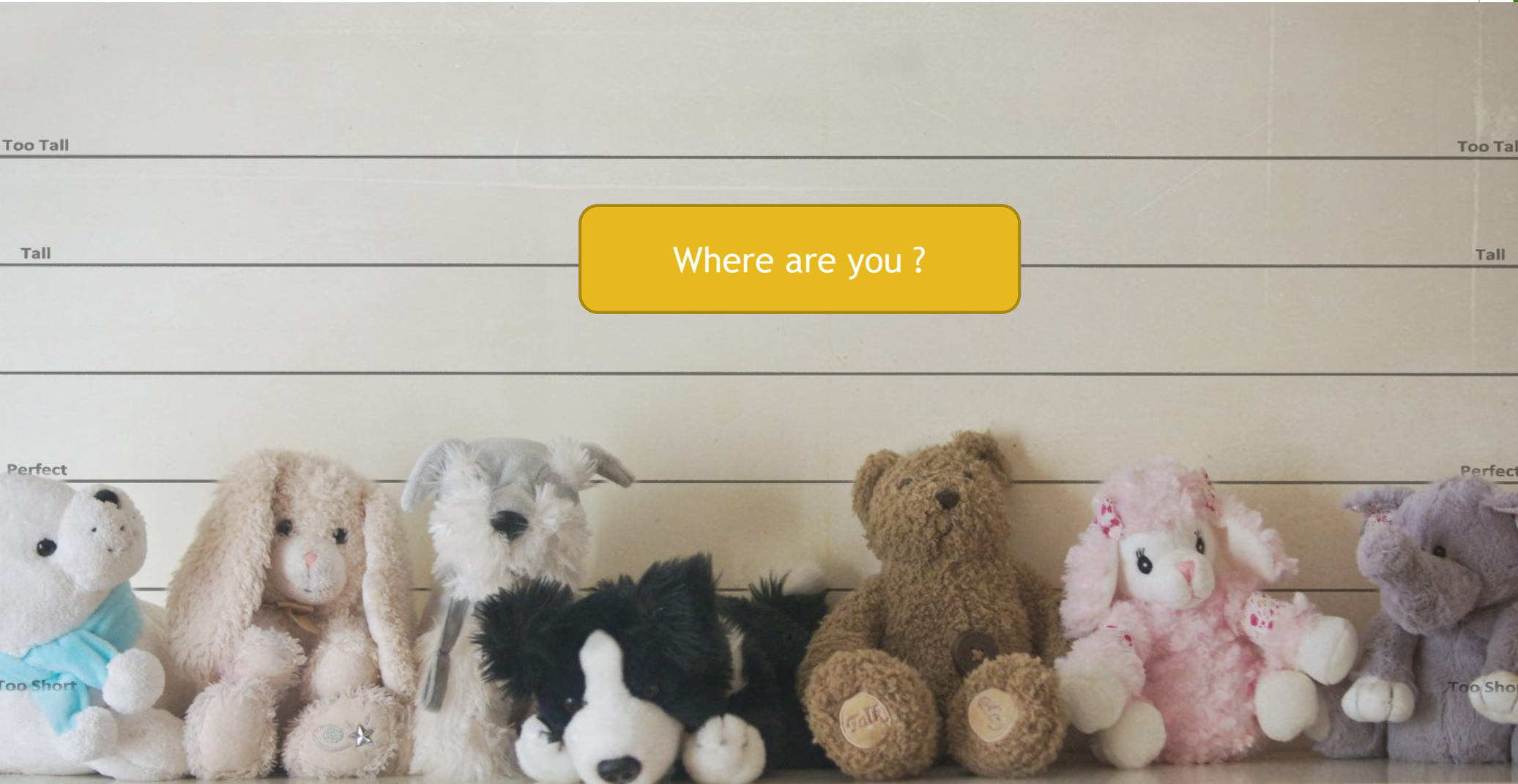




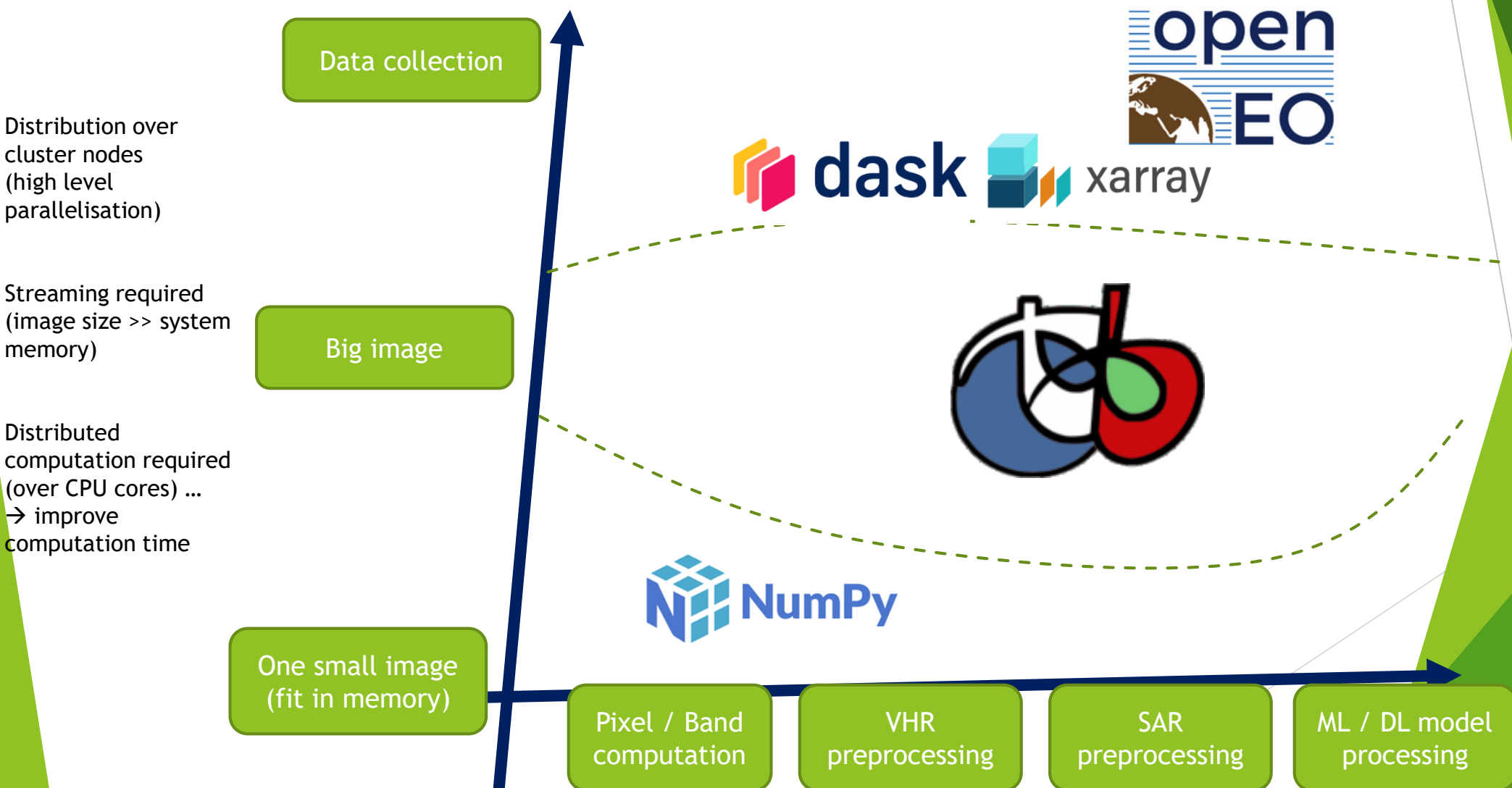
# Brainstorming #1 → OTB use cases

21 & 22/11/2024 -- Artilect Toulouse

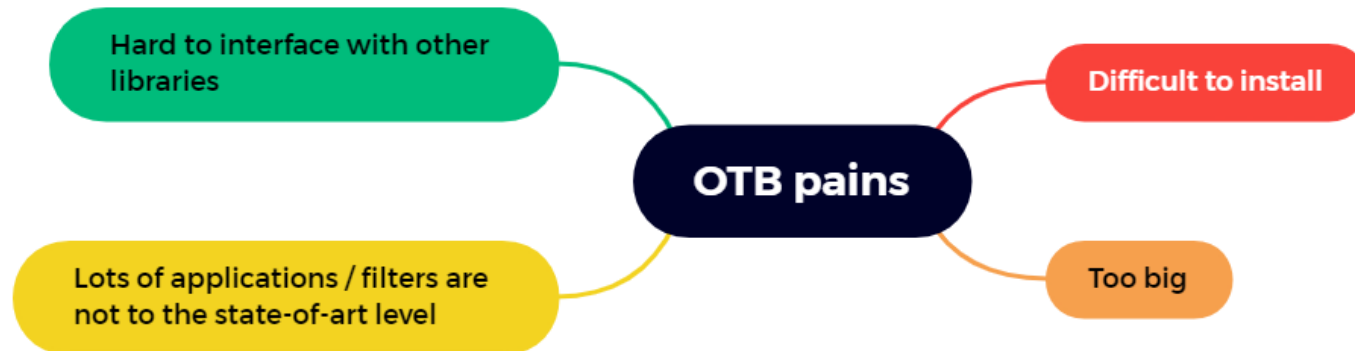
# Are you using OTB ? Why ?



# Are you using OTB ? Why ? (30 mn)



# Love & Hate about OTB (30 mn brainstorming)



# Irritating issues

It's hard to install  
OTB ...



[OTB > CookBook > Installation > create an healthy python environment for otb](#)

# Irritating issues



Download & unzip !

1. `curl https://www.orfeo-toolbox.org/packages/archives/OTB/OTB-9.0.0-Linux.tar.gz -o /Path/To/Downloads/OTB-9.0.0-Linux.tar.gz`
2. `tar xf /Path/To/Downloads/OTB-9.0.0-Linux.tar.gz`
3. `source /Path/To/OTB_install/otbenv.profile`

[Cookbook > Get started > First steps](#)

# Irritating issues

I can not install OTB  
and Python libs  
(rasterio, numpy,  
etc.) together...



[OTB > CookBook > Installation > create an healthy python environment for otb](#)

# Irritating issues



Yes You can !!!

```
# Source your OTB environment  
.  
.<your installation directory>/otbenv.profile  
# Create a virtual env and install some libraries  
python -m venv otb_venv  
.  
otb_venv/bin/activate  
pip install --upgrade pip  
pip install scikit-image scikit-learn geopandas  
# Rasterio depends on GDAL and need to be compiled on the flight with current OTB's own GDAL  
pip install rasterio --no-binary :all:  
# Use your Libraries within Python  
python  
> import rasterio  
> import otbApplication as otb
```

[OTB > CookBook > Installation > create an healthy python environment for otb](#)





Where do we need to put some glue to facilitate your processing chains ?

# God Morgen ;- ) / Have a nice OTB day !

► Contact :

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- <https://forum.orfeo-toolbox.org/>
- <https://www.orfeo-toolbox.org/CookBook>
- <https://gitlab.orfeo-toolbox.org>

