

Wrap-up

# EGI FedCloud needs and support

- Resources (6 months):
  - Test system for VLIZ:
    - R-Server, Shiny, ... 2 servers
    - GeoServers: 2 servers
    - Storage: access to central storage
    - MongoDB servers
    - Decide if “virtual” or not (distinction of “virtual” in the cloud)
  - Test system for Galaxy
    - Scaling up, reserve 300 cores, 1 Terabyte
  - Micro-CT
    - Order Terabytes (50 Terabytes)+ server
  - Support for R cluster
    - 300 cores, + server + 2.5 Tbytes
  - Support to Bioinformatic service HCMR
    - 300 cores, up to 1500 cores
  - TRUFA
    - 256 cores + servers, 50 Tbytes
  - Network of Life
    - Databases + servers
    - Computation ( 100 cores) + Space (1 Tbyte)
  - Citizein Science???
    - HCMR
    - BIFI

# Cloud support

- Support/access:
  - IaaS: Installation of VM , etc
    - Ticket system (works, but more people is needed to answer tickets!!! Help from HCMR)
    - Ticket system should evolve to LIFEWATCH, not anIFCA one!
    - CRM/FitSM?
    - Guide/Forum/FAQs are also needed!!!
    - Combination of meetings and training
      - Take into account the movement to Seville
    - **BARI??? 10-13th November (too soon)**
  - PaaS and SaaS
    - Involve LW Italy

# D 6.6

- Data flow and R tools:
  - Setup of working groups on
    - MongoDB
    - GeoServers
    - R
      - Install the servers (R Shiny, + Rstudio) **(SaaS)**
      - Support to the cluster solution
      - Performance, and GPU usage
    - **Access to storage (as well as AAI, ask EGI!)**
  - Prepare list group VLIZ, HCMR, IFCA (+Bari?/U.Salento)
- Aim to report at Bari (November)
- Aim to have DEMO ready by February

# Support to VRE

- Upscale virtual lab components using LW ICT core
  - Environmental layers, Species occurrence data
  - BIOVEL portal , Biodiversity catalogue
  - Taxonomic, Biostatical & Modelling webservice
- Resources
  - 2 servers (in coreICT)
  - Installation is difficult (VLIZ expertise, EGI help?)

# Other applications

- Workflows
  - Galaxy : UPV team, INRA team will continue work with the application
  - TRUFA: compare to Galaxy (check with MNCN)
  - Network of Life:
    - Setup DB, check the best solution
    - Collaborate LIP and CIBIO

# D6.1

- Citizen Science:
  - Confirm the open day
  - Assisted Pattern recognition
    - Caffee:
      - Understand NN business (BIFI + IFCA)
      - Train with flowers, then with plants (BIFI+CIBIO)
    - Inaturalist like application (RJB)
    - Didactic vision (features detection, etc. Include BIFI, RJB, CIBIO)
    - Can it be applied to CT scans?
  - Setup Citizen Science group (BIFI, RJB, REDIAM, HCMR, CIBIO)

# New initiatives

- INTERREG:
  - SUDOE
    - Action on LW-management to organize with ES, PT, FR, find the topic (environment)
  - MED
    - Action on LW-management to organize with ES, PT, FR, GR, IT, towards objective 3.2
  - MED/BALKANS (check)
- Structural Funds



# New initiatives

- H2020 wp16-17 be aware (Bari)
- Last open calls:
  - FET (end of September)
    - Polyhedric Fingerprint/Passport
      - Integrate images, scans, genetic info
    - Massive agent based simulation
      - Find use cases
      - Cambridge: modelling biodiversity on the Earth (Rome? Check VIBRANT)
  - Citizen Science (16th September)
    - Features identification on mobile applications (like iNaturalist)

# Meeting in Rome

- National stands
- 40 minutes for demo ?
- Provide access to any application running
  - TRUFA
  - Galaxy
  - VRE
    - Leonard (VLIZ) can help!
    - Lecce team (Ivasive)
    - SWIRL (see who (Fernando)? REDIAM/CITIC)