

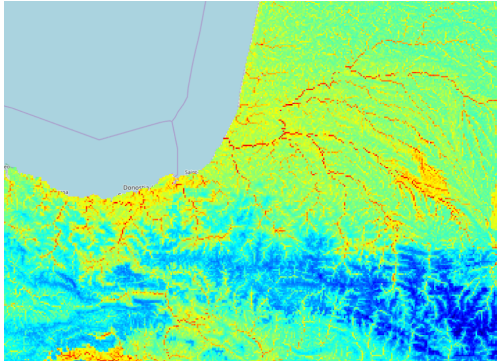
A few wrap-up slides



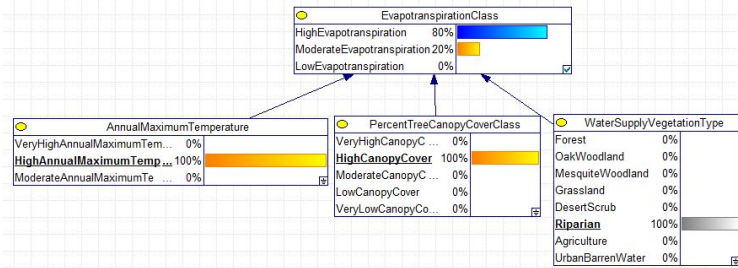
bc³
BASQUE CENTRE
FOR CLIMATE CHANGE
Klima Aldaketa Ikergai



Semantically annotated
data

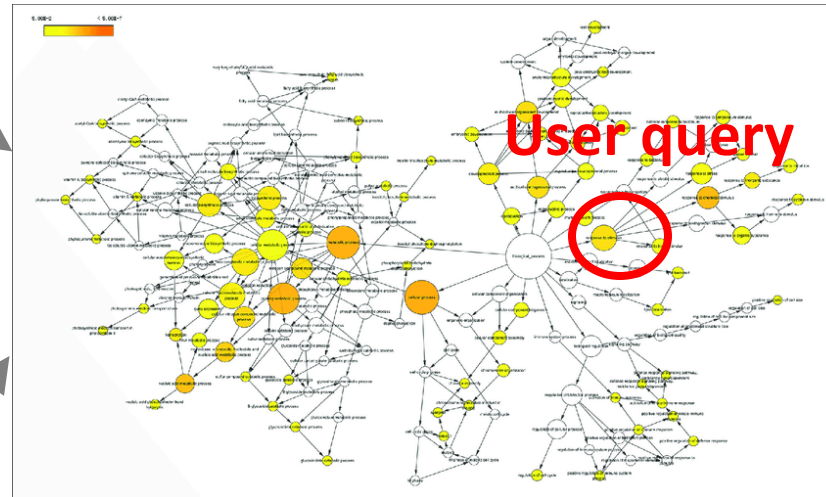


Semantically annotated
models

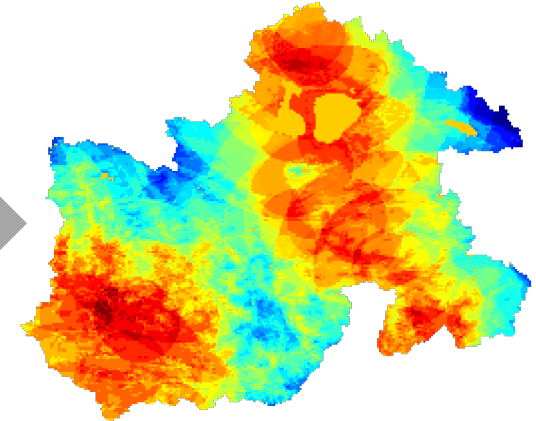


ARIES modelling environment

System of ontologies



Resulting ES
(provision) map



Σ Data and models "labelled"
based on their **meaning**



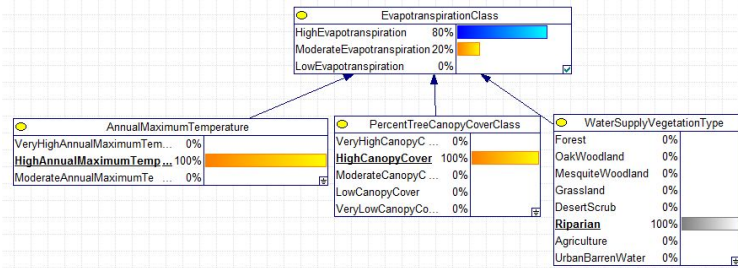
User-provided context

ARIES modelling environment

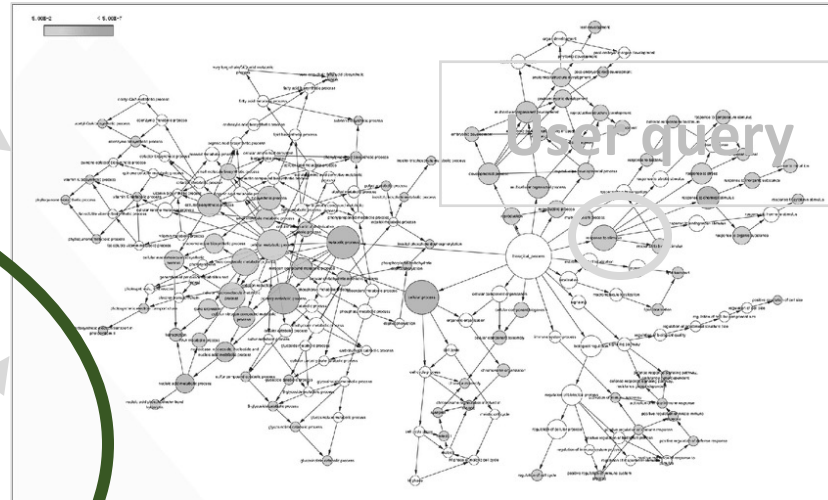
Semantically annotated
data



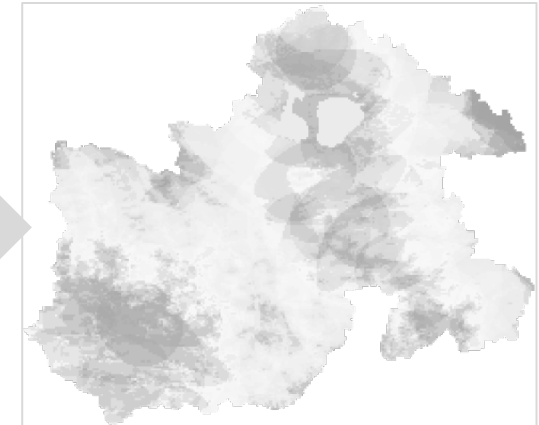
Semantically annotated
models



System of ontologies



Resulting ES
(provision) map



Global models, complex models, ...



User-provided context

Σ Data and models "labelled"
based on their **meaning**

```

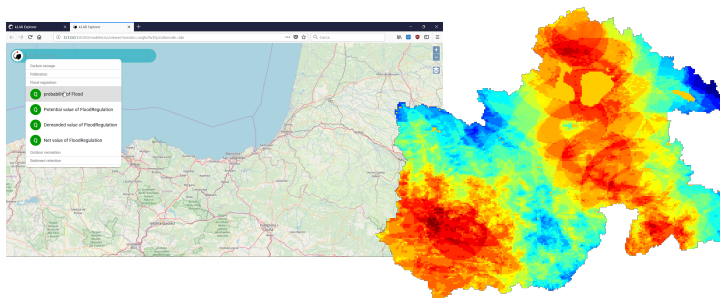
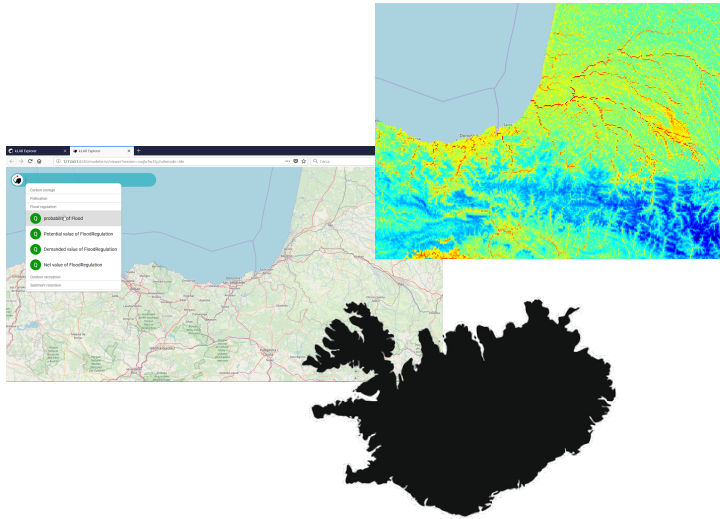
@documented(recreation.values.potential)
model in: Potential value of behavior:Outdoor behavior:Recreation
observing
  magnitude of proportion of behavior:Outdoor in behavior:Recreation named human_influence,
  distance to conservation:ProtectedArea in m named distance_to_pristine_areas,
  distance to earth:Coastline in m named distance_to_coast,
  distance to earth:Waterway in m named distance_to_streams,
  distance to earth:WaterBody in m named distance_to_lakes,
  distance to earth:MountainPeak in m named distance_to_mountains
set to [
  human_influence *
    ((nodata(distance_to_pristine_areas) ? 0 : distance_to_pristine_areas)
    + (nodata(distance_to_lakes) ? 0 : distance_to_lakes)
    + (nodata(distance_to_streams) ? 0 : distance_to_streams)
    + (nodata(distance_to_mountains) ? 0 : distance_to_mountains)
    + (nodata(distance_to_coast) ? 0 : distance_to_coast))
] then [ self.invert() ];

```

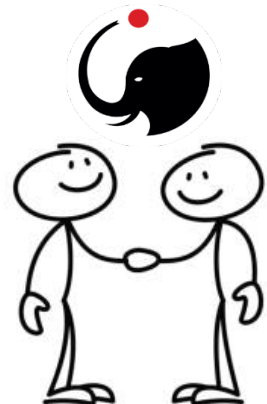
Modeller interested in semantics: k.LAB Modeller



ES researcher/practitioner
interested in parametrizing their models: k.EXPLORER with local data and contexts



Quick ES assessment:
k.EXPLORER



Thank You!

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About the School

Access requirements

Admission Criteria

Key dates, Fees & Venue

ESP Conference 2018

Study Programme and Faculty

Accommodation

Submit your application

Acknowledgements

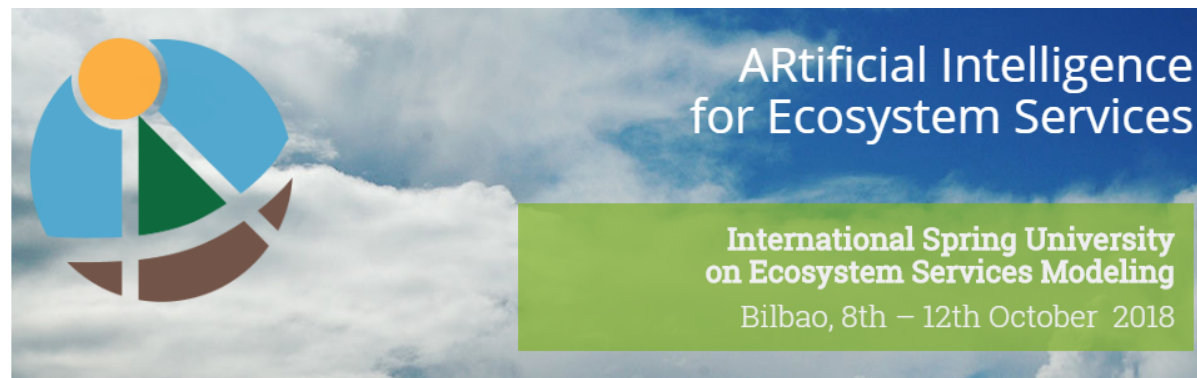
Testimonials

Contact



BASQUE CENTRE
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ON Ecosystem
Services Modeling



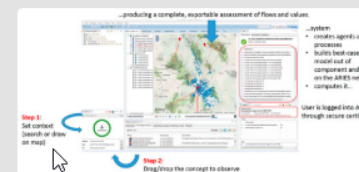
The International Spring University (ISU), an initiative of the Basque Centre for Climate Change (BC3), announces a 1-week training on Ecosystem Services Modeling.

The 2018 event is directed to a new generation of scientists and policy analysts who can effectively use coupled human-environmental models in research, policy and management to address and solve sustainable problems. This year's event is also intended as an update on the latest developments in the k.LAB modeling software, including key updates to make model coding and reuse more user friendly, targeted for both new participants and those from previous years.



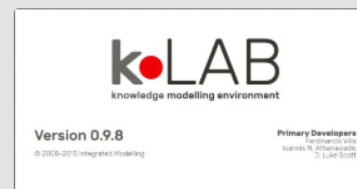
Video

This **video** features the insights of the International Spring University on Ecosystem Services Modelling advanced training course.



Geospatial Solutions

BC3 is leading the development of some of the most advanced cloud-based data and modeling methodologies to quantify and value the flows of services that ecosystems provide to societies.



The Software

The ARIES team combines an innovative simulation platform and a domain-specific programming language to address the task of integrated social ecological systems

