Personalized Environmental Service Configuration and Delivery Orchestration
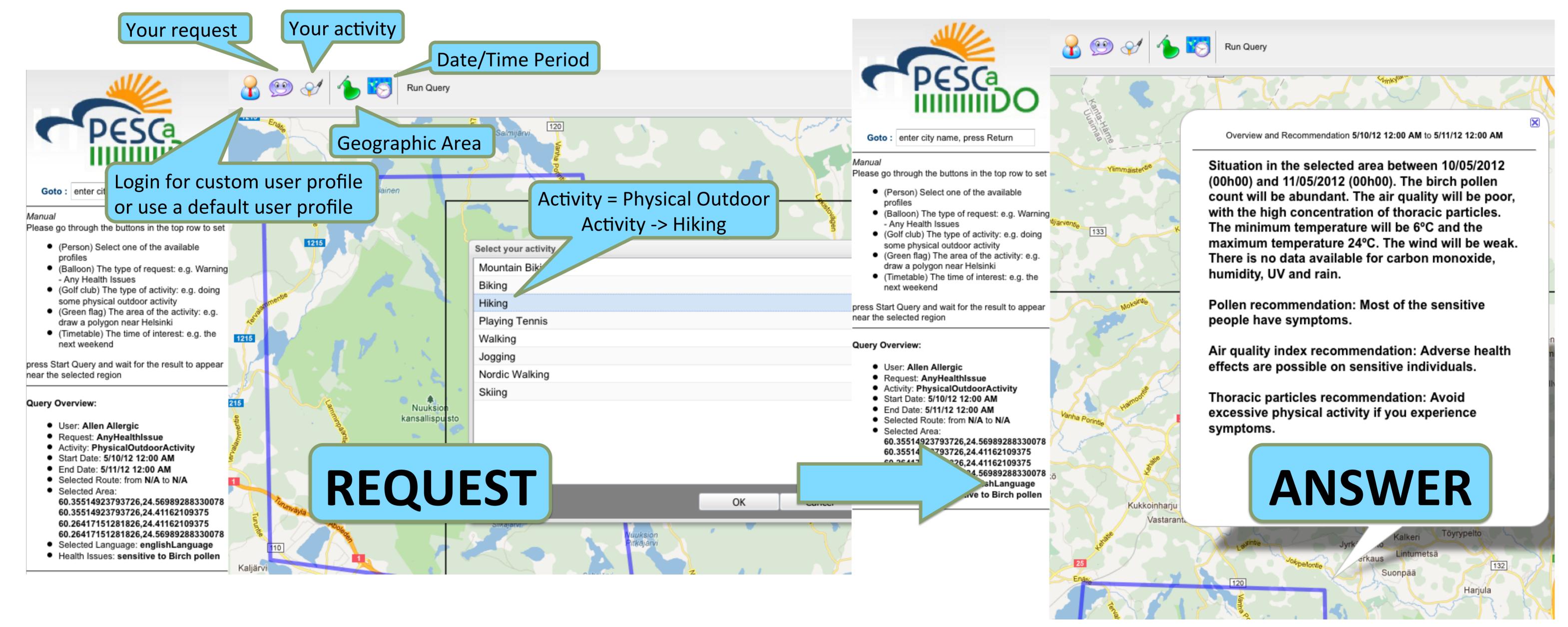
Citizens are increasingly **aware** of the influence of **environmental** and **meteorological** conditions on the **quality of their life**. This results in an increasing demand for **personalized environmental information**.
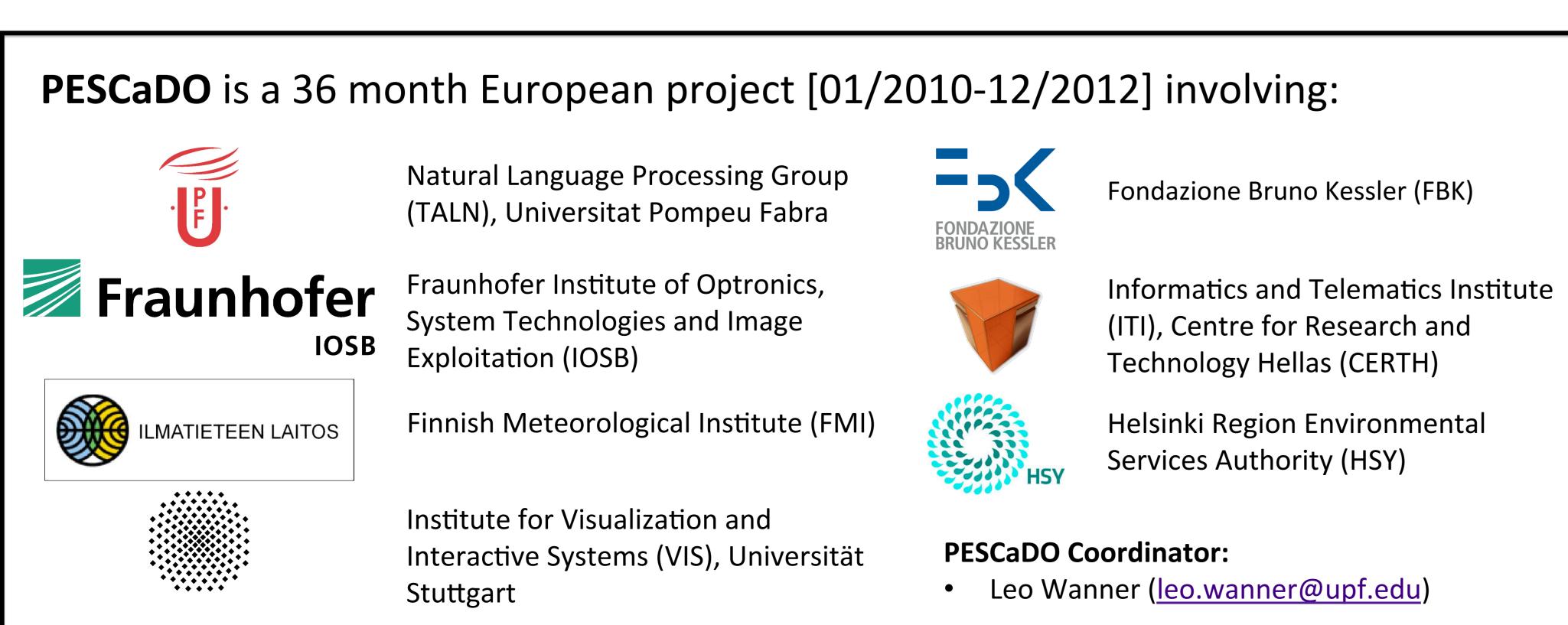
PESCaDO fulfill this demand by taking advantage of the fact that the **web** already hosts a great range of **services** (i.e. websites) that offer environmental data.

The **challenge** to address is threefold:
1. to **discover** and **orchestrate** these services;
2. to **process** the obtained data in accordance with the **needs of the user**;
3. to **communicate** the gained **information** in the **users** preferred mode.

Is there any health issue for me if I go hiking in Helsinki tomorrow afternoon?

Wind · Precipitation · Pollen · Temperature · Pollutants

WARNING

High Temp: The weather is too hot for intense exercise

High Birch Pollen Concentration: Most of the sensitive people have symptoms

---

REQUEST

Your request · Your activity · Date/Time Period · Geographic Area

Login for custom user profile or use a default user profile

Activity = Physical Outdoor Activity -> Hiking

Select your activity: Mountain Biking, Biking, Hiking, Playing Tennis, Walking, Jogging, Nordic Walking, Skiing

ANSWER

Overview and Recommendation 5/10/12 12:00 AM to 5/11/12 12:00 AM

Situation in the selected area between 10/05/2012 (00h00) and 11/05/2012 (00h00). The birch pollen count will be abundant. The air quality will be poor, with the high concentration of thoracic particles. The minimum temperature will be 6°C and the maximum temperature 24°C. The wind will be weak. There is no data available for carbon monoxide, humidity, UV and rain.

Pollen recommendation: Most of the sensitive people have symptoms.

Air quality index recommendation: Adverse health effects are possible on sensitive individuals.

Thoracic particles recommendation: Avoid excessive physical activity if you experience symptoms.

PESCaDO web-site:
www.pescado-project.eu
• On-line try-it-out **demonstrator**
• Explanatory **Videos**
• PESCaDO **Ontology**
• Publications and Deliverables
• ....

SEVENTH FRAMEWORK PROGRAMME

Information Society Technologies