

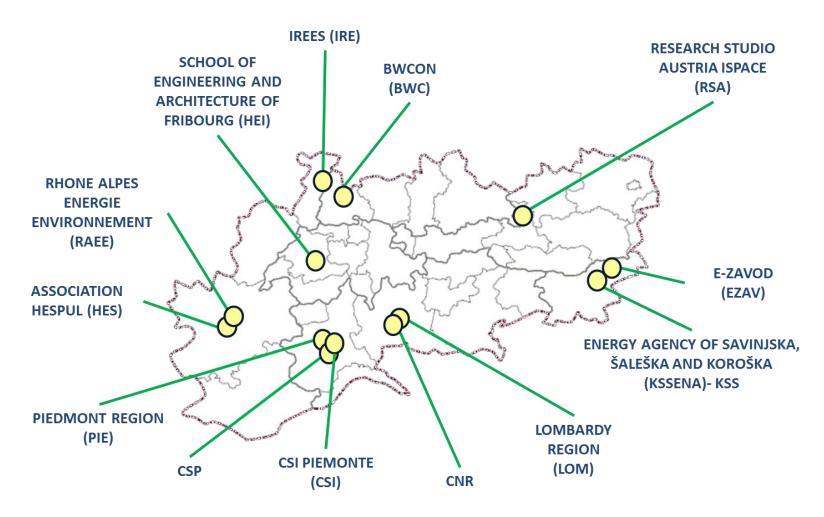
### The4BEES

Transnational Holistic Ecosystem 4 Better Energy Efficiency through Social innovation Awareness-Raising zur Optimierung des Energieverbrauch mit Demos

Manfred Mittlboeck & Robert Vogler DIGITAL:EARTH 2016, Salzburg 30.03.2016



### Who are we? - Partnership

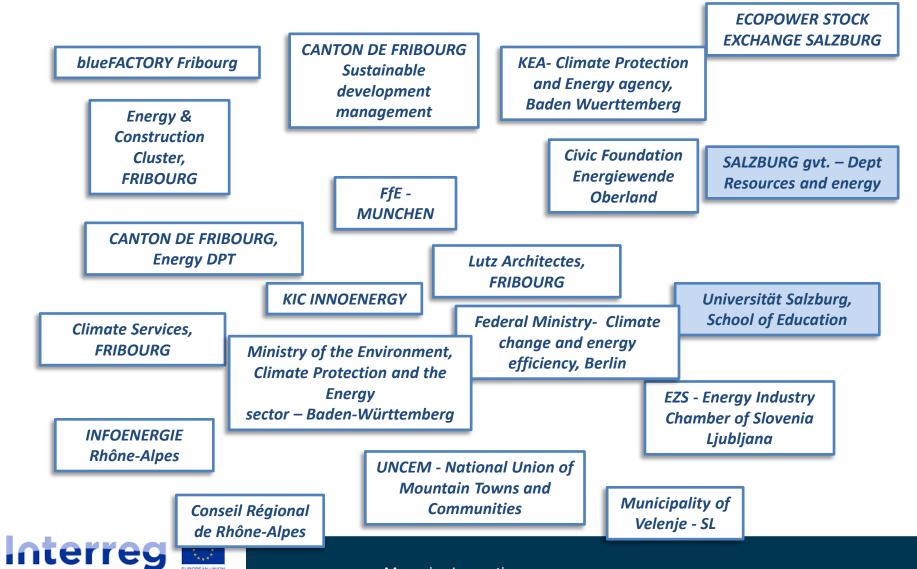






### Who are we? - Observers

Alpine Space





# Goals of the The4Bees: Awareness Raising On Energy Efficiency And Carbon Footprint

The following outputs shall be achieved:

- to consolidate and grow knowledge on the relationships among behavioral changes, energy efficiency, carbon emissions and the benefit of ICT, consistently with art.12 of the Energy Efficiency Directive.
- EED Art. 12: Member States shall take appropriate measures to promote and facilitate an efficient use of energy by small energy customers, including domestic customers. These measures may be part of a national strategy.
- In The4Bees awareness will be raised thanks to innovative and effective methods and tools (bar camps, digital storytelling, infographics) based on a socioeconomic study on virtuous behaviors and capitalization of previous/current initiatives.
  - => Aim: improved awareness as the basis of change of behaviors.





# Goals of the The4Bees: Awareness Raising On Energy Efficiency And Carbon Footprint

#### Why the The4Bees?

- THE4BEES builds on the hypothesis: Energy is consumed by people rather than by buildings.
- Although most of the strategies to achieve energy efficiency in buildings focus on technical mitigation measures, to reach the ambitious goals on Low Carbon set by EU and Alpine Strategy, both structural and soft approaches shall be considered in a complementary way
- THE4BEES focuses on the behavioural changes of users in public buildings needed to achieve reduction of energy consumption.
- Behavioural changes and energy reduction will be assessed and will improve transnational, regional and local low carbon and spatial development policies.





### Behavioural change on energy use in buildings

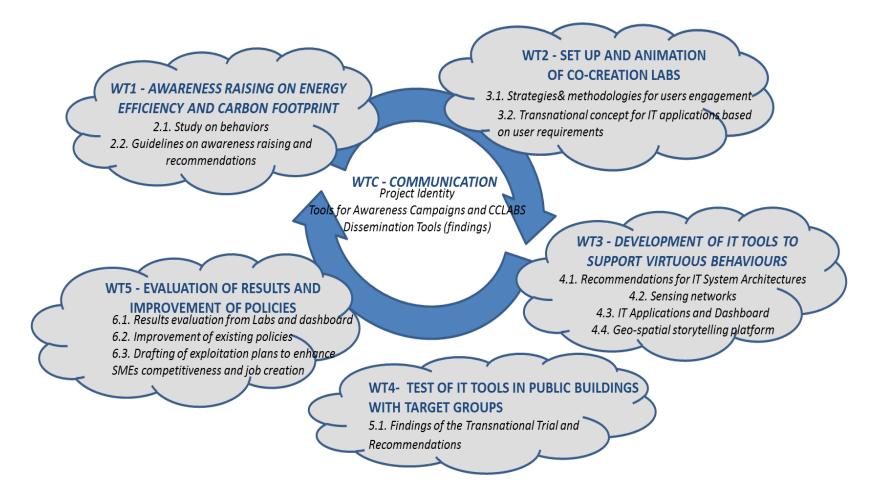
Different target groups (every citizen is an energy user)

- Households (tenants, owners)
- SME (decision makers, workers, employees)
- Authorities on the national, regional and local level (generating and implementing policies, controlling compliance)
- Education and training (schools/high schools)
- NGOs, others
- Two categories:
  - Those who decide (and deliver the frame work, e. g. landlords, managers of a company/school/accomodation facility) and
  - those who practice (tenants, employees, teachers, students, tourists etc.)





### **Expected Outputs of the The4Bees**

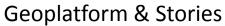


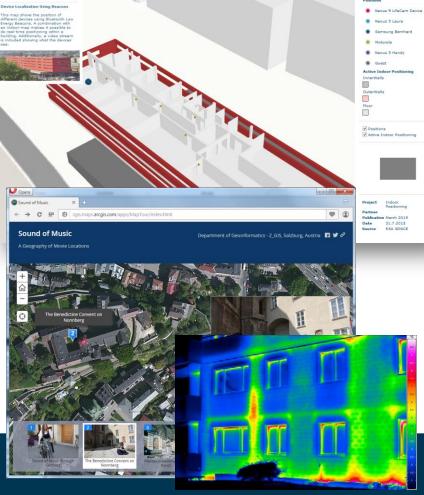




# Summary & Discussion: WP3 Development of IT Tools to support virtuous behaviours











# Goal Salzburg: use the infrastructure and communication hub to communicate the4bees resources/results

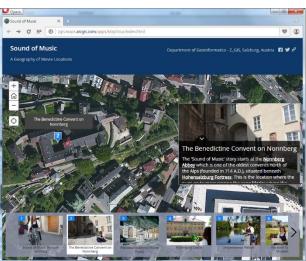
 How can we bring the right information to the right people at the right time?

Information management well performed brings the right information to the right people at the right time and in the right presentation format.















### Co-creation activities the4bees storytelling apps

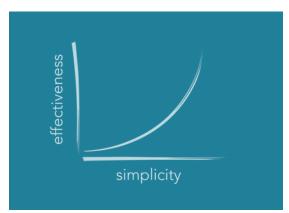
- What about the4bees 4D storytelling apps?
  - to actively engage your audience with your data, analysis, and projects
  - its about user generating maps in 4bees living labs based on
    - authoritative resources and maps with narrative text, images, and multimedia content.
  - Maps make it easy to harness the power of maps and geography to tell your story.
  - Bring together public administration, energy providers and citizens
  - Define and establishe energy consumption KPIs with stakeholders
  - Engagement of use case involved parties
- Task: Joint development of user-centric storytelling flagship apps
- Task: create (map-)dashboards for energy KPIs





### What About storytelling & maps for the4bees

- Connect with your audience
  - Who is your audience?
  - Before you build your story map, think about who will be seeing your story!
  - Craft your text, maps, and other content to suit your audience.
- Lure people in
  - Start your story with a bang.
- User experience supports the story
- Strive for simplicity
  - Stories are distillations. The more you do to remove nonessential elements, the more likely you are to tell an effective story!
  - A person should not have to get to the fifth or sixth section in your story to understand our 4bees concepts and mission
- Easy-to-read maps
  - Make sure your maps are as simple, clear, and user-friendly as possible



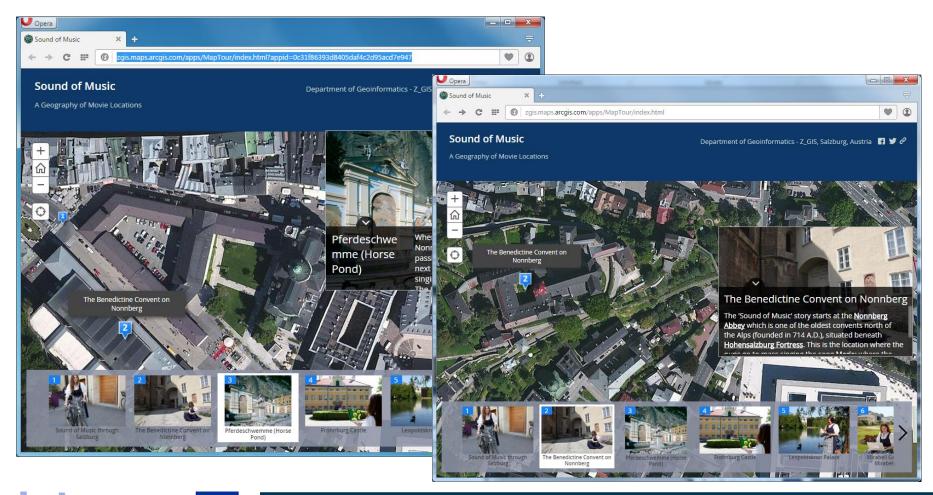






## **Geo-spatial storytelling**

an example Storytelling example: Sound of Music







### **Summary & discussion**

- THE4BEES focuses on the behavioral changes of users in public buildings needed to achieve reduction of energy consumption.
- Different target groups (every citizen is an energy user)
  - Education and training (schools/high schools)
  - those who practice (tenants, employees, teachers, students, tourists etc.)
- Joint development of user-centric storytelling flagship apps
- Need: Participating schools & teachers







### The4BEES

Transnational Holistic Ecosystem 4 Better Energy Efficiency through Social innovation Awareness-Raising zur Optimierung des Energieverbrauch mit Demos

Manfred Mittlboeck & Robert Vogler DIGITAL:EARTH 2016, Salzburg 30.03.2016