

Scoping your proposal

Today we do something a little different

Brainstorming for a project proposal

Today we will do some group work in class.

- We will use Mural to do some collaborative brainstorming.
- You will be split into breakout rooms in zoom
- Please activate your microphones and talk to each other while working

An enticing call has been found...

Sustainable Smart Housing to reduce energy demand

- Combination of design, materials, technologies, and user interaction
- Includes human focused issues (needs for buildings, considerations of privacy, human interfaces with technology, etc.)
- You need to identify a problem within the scope, identify the key stakeholders, and outline a work plan

Problem identification

The call text states:

Sustainable housing and smart housing are readily available on the market. However, impact is limited due to many factors due to limited opportunity for new construction, high and shared-cost structures for renovation, limited interest in smart housing technologies (cost, privacy concerns, service life, unintuitive user interfaces, etc.). This call seeks applications to provide wholistic solutions for smart sustainable housing for either single-family or multi-family buildings (or both).

Problem identification

The call text continues:

- Applicants should ensure a user-oriented approach is taken by including key stakeholders within and outside the consortium.
- Applicants should ensure a multidisciplinary approach to the problem
- Applicants should ensure measure impacts are included in the scope of the call.

Key stakeholders

You need to identify and make a plan to involve and address key stakeholder groups. Consider:

- Public – Society – real people
- Policy (ministries, boards, committees, agencies)
- Industry (companies, associations)
- Academia (networks, organisations, etc.)

Work plan

You need to identify and organize the key tasks to address the scope of the call.

- You may ignore the Administrative aspects for now.
- Ensure your plan includes means to include key stakeholders
- Ensure your plan includes key RDI activities
- Include work package level groupings with descriptive task names.

Some other notes

- Projects should start at TRL level 4 or 5 and end at TRL level 6.
- Consider the expertise needed to implement the project (architecture, material science, IoT, industry relation, communications, Ux, privacy, ethics, IPR, ...)
- Consider obstacles and find solutions to them.
- We will have a discussion after to identify some of the challenges

On to Mural:

- Mural is an online tool for brainstorming (amongst other things).
- The basic approach is to use post-it notes to organize your ideas. You can add lists, shapes, connectors, images, and other things. Be creative.
- Both groups are working on the same Mural.
- You have 45 minutes before we return.

<https://app.mural.co/t/scientificwriting4310/m/scientificwriting4310/1606755200756/e9e109a108767c30d55df90d5799862c71938142> (quick demo)

Discussion

- What part was the most challenging?
- Where would you have liked outside help?
- What other disciplines do you wish were present?

Assignment: No new assignment

