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## **Environmental computing compendium - background and motivation**

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The emerging discipline of environmental computing brings together experts in applied, advanced environmental modelling. The application domains address several fundamental societal challenges, ranging from disaster risk reduction to sustainability issues (such as food security on the global scale).

The community has used an Intuitive, pragmatic approach when determining which initiatives are considered to "belong to the discipline". The community's growth is based on sharing of experiences and tools provides opportunities for reusing solutions or applying knowledge in new settings. Thus, limiting possible synergies by applying an arbitrary, formal definition to exclude some of the sources of solutions and knowledge would be counterproductive.

However, the number of individuals and initiatives involved has grown to the level where a survey of initiatives and sub-themes they focus on is of interest. By surveying the project landscape and identifying common themes and building a shared vocabulary to describe them we can both communicate the relevance of the new discipline to the general public more easily and make it easier for the new members of the community to find the most promising collaboration partners.

This talk presents the methodology and initial findings of the initial survey of the environmental computing initiatives and organisations, as well as approaches that could lead to an environmental computing compendium that would be a collaborative maintained shared resource of the environmental computing community.