

## Synergies - GIS based tools

([MANFRED](#), [Econnect](#), [SHARE](#), [PermaNET](#))

GIS based tools serve for enhancing the landscape/ecosystem connectivity, reducing forest fragmentation, producing “green energy”, infrastructure planning and maintenance in mountain areas. [MANFRED](#) and [Econnect](#) presented GIS based tool for sharing the spatial data related to projects’ topic ([census of extreme events](#); [JECAMI](#)). Enhancing landscape connectivity and reducing forest fragmentation would increase health, vitality and diversity of alpine forest ([MANFRED](#)) therefore JECAMI ([Econnect](#)) could be used wider, e.g. for forest management and monitoring purpose.

[Econnect](#), [SHARE](#) and [PermaNET](#) presented different GIS based tool that could help spatial planers to use the space in a way to preserve the natural habitats and also to allow a sustainable production of “green energy” and a sustainable infrastructure development. The [Alpine Permafrost Index Map](#) ([PermaNET](#)), available as a GIS layer, is intended for practitioners such as public authorities or individuals involved in the construction and maintenance of infrastructure in mountain areas.

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