



An e-Infrastructure architecture for the Portuguese solid Earth community

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The development of a distributed and scalable architecture for the Portuguese solid Earth community will be discussed. This work is a prelude to developing and deploying an e-Infrastructure for the solid Earth community, in articulation with the efforts occurring in projects such as EPOS. This work describes a high-level architecture proposal which aims to bring together sensor data from several stations. We shall discuss how this architecture can be used to take advantage of a distributed parallel environment both for storing and processing very large volumes of data and how it may also provide a service infrastructure using catalog services to harvest from the available services where the user is referred to the resources they provide. Resources in the Infrastructure can take the form of "raw data", high-end data (such as "maps") often referred to as products or online analysis services.