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Case-studies of potential applications for highly resolved shorelines

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A 30 years long archive of Landsat images represents an asset to map the temporal evolution of shorelines during such period. However, the native resolution of Landsat data is not accurate enough for most of applications. High resolution imagery could be used, unfortunately their availability is expensive, not available everywhere and with poor temporal resolution. In this poster, some case-studies of applications using a novel method to map accurately shorelines in inland waters are presented and discussed. Case studies have been selected according to their peculiarities, i.e. shoreline shape, type of water body, nature of the surrounding land, water level variability, etc. The potential to measure changes at land/water interface is also illustrated. This poster complements the results showed in a companion poster titled "Mapping shorelines to subpixel accuracy using Landsat imagery".