

# Equipment implemented/installed

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## 1 DELIVERABLE DESCRIPTION

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This report summarises the equipment implemented/installed by different partners within the framework of activity 4.3. for the application scenarios and pilot sites chosen in the project.

### PP4 - ARPAE

As described in detail in [D.5.2.2. Webcams and 2 tide gauge stations implemented, tested and data recorded](#), Arpae installed a coastal webcam network composed of 8 stations along the Emilia-Romagna coast and 2 tide gauges at Cattolica and Cervia, equipped with 2 GNSS. The complete description can be found in deliverable D.5.2.2 available at the following link: <https://docs.google.com/document/d/1x05sENIJGKpMDvBSB5NTGCWXURKWLh7G/edit?usp=sharing&oid=112931691253286182984&rtpof=true&sd=true>

### PP9 - Marche Region

Soil moisture sensors and videocameras were installed by Regione Marche in collaboration with UNIVPM PP8. A dedicated study was realized for soil moisture location in Foglia, Esino and Chienti watersheds in collaboration with IRPI Research Centre (<https://www.irpi.cnr.it/>). Videocameras were installed close to 20 relevant water level stations, in order to validate real-time data looking at the hydrometric rod and support the flood monitoring during severe weather conditions events. A detailed description of the installation characteristics is reported in the partner report [deliverable\\_D434\\_PP8](#) available in the project drive at [https://docs.google.com/document/d/13KGvE1t4I-1fn\\_iEBP0UdORN9pkm-NsZ](https://docs.google.com/document/d/13KGvE1t4I-1fn_iEBP0UdORN9pkm-NsZ).

### PP14 - City of Venice

The two oceanographic buoys purchased by the City of Venice were installed in the shelf sea in front of the Venice Lagoon at Cavallino and Malamocco. The two buoys were also equipped with an intelligent anchoring system attached to one dead body, formed by connecting cable that can measure water temperature in the intermediate point. Data acquired from the buoys and smart anchor system, then, are sent through a satellite modem, either to the manufacturer's platform and to a specialized module made by the contracted company (ETG) and integrated into the reused and open-source platform called WinNET7. With these platforms, it will be possible not only to see the buoy's condition and relative data but also GPS position, useful for understanding in every time

the position of each buoy. A detailed description of the installation characteristics is reported in the partner report [deliverable D.5.4.2.](#) available in the project drive at <https://drive.google.com/drive/folders/1KuHqEF6whCcrLoi6W8sDwDeK1VH3mkcx>.