# <*Working title*> *Measurement of reservoir sediment with GPS controlled R.O.V.’s.* </*Working title*>

## The focus

The focus of this project will be to write a report describing our idea of a R.O.V. used for scanning sediments in hydropower reservoirs. The measurements collected by the R.O.V. will then be used to report the level, position, and flow rate of sediment in the reservoir.

## Our contributions:

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| Masoumeh | IPK | Scheduling and controlling the progress of the R.O.V. project. |
| Christian | IDI | Design/develop control software for the R.O.V. |
| Saidee | MarinTek | Selection of the R.O.V. hull/materials, and means of propulsion. |
| Sajana | Hydropower  (MSB1) | Calculate satisfactory rate of sediment inflow, and prepare sediment profile from the data collected by the R.O.V. |
| Berhane | MSELPOWER | Design/propose autonomous power supply of the R.O.V., and consider photovoltaic cells as autonomous and renewable power-source. |
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