

## SWARMS - EvoLogics EviNS workshop

On April 6-7, 2016 EvoLogics GmbH held a 2-day workshop for SWARMS partners WASS, S&T, UAVR, GS LDA and ECA at the company's Berlin (DE) headquarters.

The workshop focused on EvoLogics' recent development - the **EviNS framework**, as well as the EvoLogics **DMAC protocol** and EvoLogics **DMACe** - the acoustic modem emulator.

EvoLogics further develop the firmware "sandbox" running onboard its acoustic modems, which allows the users to develop and run their own software modules directly on the hardware platform of the acoustic modem. The open-source EviNS (the EvoLogics intelligent Networking Software) framework allows the users to configure media access and networking layer protocols, implemented on EvoLogics underwater acoustic modems, as well as to integrate their own protocols for media access and networking layers.

Over the 2-day workshop, participants were introduced to EviNS framework, EvoLogics DMAC protocol and the EvoLogics acoustic modem emulator (DMACe) and gained valuable hands-on experience.

The workshop program included:

1. EviNS framework introduction.
2. D-MACe modem emulator introduction.
3. Configuration of EviNS and D-MACe on participants' laptops.
4. Hands-on exercises with EviNS framework.
5. Discussion on integration steps with IP network and DDS middleware.
6. Planning of development steps for the early trials.
7. Open discussion.



EvoLogics SWARMS Workshop