

Automation and Robotics in the German Space Programme.

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Introduction: The presentation reflects the achievements since the last iSAIRAS event within the Automation and Robotics sub-program of Germany's Space Program and provides a roadmap for future activities in the field. Together with the roadmap it describes the political, economic, and technological goals to be achieved for Germany within the coming years.

It will give an overview over work that was done in the areas of earth orbit infrastructure, space exploration, and technology transfer into terrestrial applications.

In addition the presentation will summarize status and results of the program's major projects. Special foci will be laid on commercialization efforts in the iBOSS-follow-on program and the analogue deployments in the previous 2 years.

Last but no least the presentation will provide an overview over the German engagement within the Horizon 2020 and Horizon Europe programs of the European Union with special emphasis on the so called European Operations Framework EOF.

The presentation will be completed by a programmatic outlook in the areas of on-orbit servicing, manufacturing and assembly.