# ExtremeXP

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**Dear subscribers,**

As we embrace the opportunities of the new year, ExtremeXP reflects on a recent milestone that marks the beginning of an exciting journey ahead.

🌍 Following our successful plenary session, we are thrilled to announce that interviews with key stakeholders are currently in preparation. One of these interviews is already available on our YouTube channel, providing valuable insights into the vision and progress of the ExtremeXP project.

Stay tuned as we continue to share updates and behind-the-scenes glimpses of our collaborative efforts towards innovation and excellence.

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**Check out our first interview on our YouTube channel to dive right into the heart of the project. 🎥✨**

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# The Collaborator
# Of The Month

## ILIAS GEROSTATHOPOULOS





**Ilias Gerostathopoulos** is an **Assistant Professor of computer science with Vrije Universiteit Amsterdam**, The Netherlands. He performs research in software engineering, software architecture, and self-adaptive systems. He received the Ph.D. degree in computer science in 2015 from the Department of Distributed and Dependable Systems, Faculty of Mathematics and Physics, Charles University, Prague. He also holds a holds a Diploma (M.Sc. equivalent) in Electrical and Computer Engineering from National Technical University of Athens, Greece. Before joining Vrije Universiteit Amsterdam, he worked as a Postdoctoral Researcher in the Department of Informatics of the Technical University

of Munich, Germany. He has co-authored more than 80 publications in software engineering conferences and journals.

**Ilias** is **leading Work Package 5** of ExtremeXP, which focuses on the development of the ExtremeXP framework comprising the experimentation engine, data abstraction layer, executionware, access control, and holistic management of data assets. Ilias is also leading the development of the overall architecture of ExtremeXP within Work Package 2, and contributes together with his team in the development of meta-models and domain specific languages within Work Package 2.

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# The Partner
# Of The Month

## CS GROUP

CS GROUP is a European leader in the design, integration and operation of intelligent cyber-protected critical systems. CS GROUP is a mid-cap company, based in France, with subsidiaries in Europe, Asia and North-America and activities in four domains: Defence & Security, Space, Aeronautics, and Energy. Located in Toulouse, CS GROUP SPACE Business Unit successfully delivers turnkey systems and provides engineering services for space and its applications markets for more than 40 years. With a workforce of 480 engineers gathering advanced and unique skills in both information technologies and space data engineering, CS GROUP SPACE BU is a major and proven long-term trusted partner of space and defence agencies, satellite prime contractors & operators, and space application actors. CS GROUP SPACE BU is providing services to CNES since 1970's and to ESA since 2010's. The role of CS GROUP in the ExtremeXP project is to bring its technical expertise to design and develop the use case "Improvement of flash flood forecasting through the use of AI". The use case consists of testing the feasibility of modeling floods using a neural network, and evaluating the sensitivity of the model to available data.

# The WP & Results Of The Month

## WORK PACKAGE 6

The work package 6 "Use cases and validation" has been steadily making progress on the analysis and validation of the Use Cases since M1 of the ExtremeXP project. From M1 to M12, Task 6.1 lead by the i2Cat partner laid the foundations for the elicitation of the requirements and specifications for the development of the ExtremeXP framework, associated with each Use Case (UC). Five UCs will be utilized for the validation of the ExtremeXP framework, tackling five different application domains: i) crisis-management, ii) cybersecurity, iii) public safety, iv) transportation and v) manufacturing.  Work in Task 6.1 has resulted in the Deliverable D6.1 "Use Cases Requirements", which detailed comprehensive descriptions of each UC with respect to the goals they want to achieve (intent), the procedures, tools and datasets required and defined Key Performance Indicators (KPI). This deliverable laid the foundations for the identification of the functional requirements related to the demonstrator of each UC and the different research components of the ExtremeXP framework. Task 6.2 "Implementation of the Use Case pilots", lead by ICOM, started in M13 and up until now is involved with the mapping of UC-specific workflows and...

## Read More

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🌟 **Don't miss our next interview with CS GROUP, stay tuned !
It's coming soon...**😊

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