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JOSEP DE LA PUENTE

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EDUARDO QUINONES MORENO
Big data applications processing extreme amounts of complex data are nowadays being integrated with even more challenging requirements such as the need of continuously processing vast amount of information in real-time. Current data analytics systems are usually designed following two conflicting priorities to provide:

(i) a quick and reactive response...

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MARC CASAS
The Mont-Blanc 2020 (MB2020) project ambitions to initiate the development of a future low-power European processor for Exascale. MB2020 lays the foundation for a European consortium aiming at delivering a processor with great energy efficiency for HPC and server workloads. A first generation product is scheduled in the 2020 time frame. Our target is to reach exascale-level...

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EUCP: European Climate Prediction system
FRANCISCO J DOBLAS REYES

The European Climate Prediction system project (EUCP) has four objectives, all directly relevant to the work programme, and fully meet the challenge, scope and impact of the work programme.

1. Develop an innovative ensemble climate prediction system based on high-resolution climate models for Europe for the near-term (~1-40 years), including improved methods used to characterise...

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ALBERT SORET
Large scale deployment of renewable energy (RE) is key to comply with the GHG emissions reduction set by the COP21 agreement. Despite cost competitive in many settings, RE diffusion remains limited largely due to its variability. This works as a major barrier to RE’s integration in electricity networks as knowledge of power output and demand forecasting beyond a few...

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SARA BASART

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DAVID CARRERA PEREZ
INDECIS: Integrated approach for the development across Europe of user oriented climate indicators for GFCS high-priority sectors: agriculture, disaster risk reduction, energy, health, water and tourism.

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