

# SA Analytics, Adaptive data analytics and modelling for flexible power systems, 2019 - 2013

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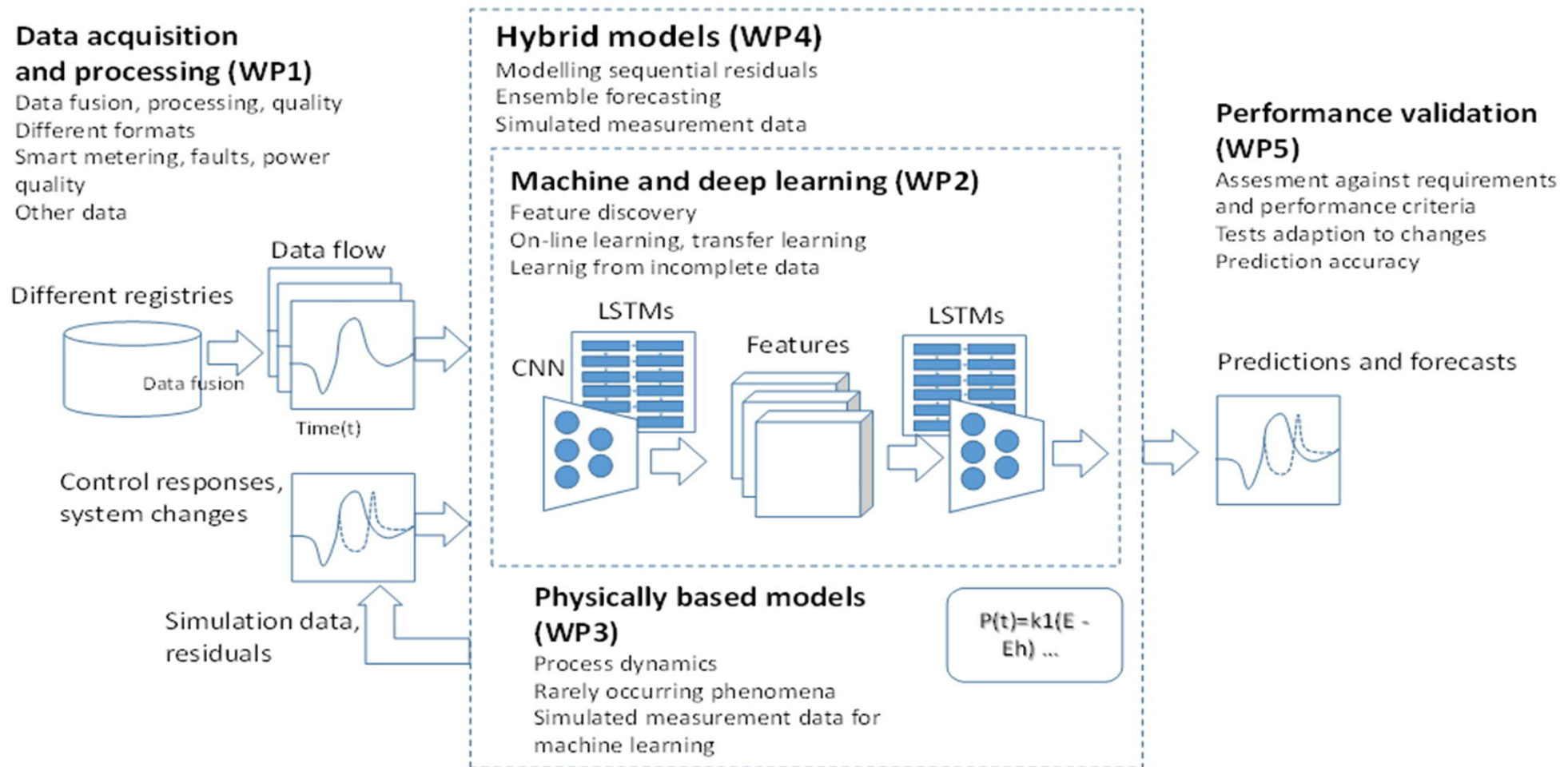
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Studies and develops hybrid models that integrate different modelling methodologies such as physically based models and different data driven methods, including deep learning and other state of the art machine learning methods. The applications studied are related to power grids and include forecasting of loads, distributed generation, power flows and grid state, and analytics of big power quality data.

Continues the work started in SA Response 2005-2018 and SAISEI 2018 – 2019 that applied hybrid modelling to short term forecasting of the load control responses of active demand.

# SA Analytics, work flow and work packages



WP6 designs methods and tools needed by several other WPs such as test scenarios, performance criteria, analysis of the stability of learning and adaptation, detection of changes and anomalies and pre-processing requirements.