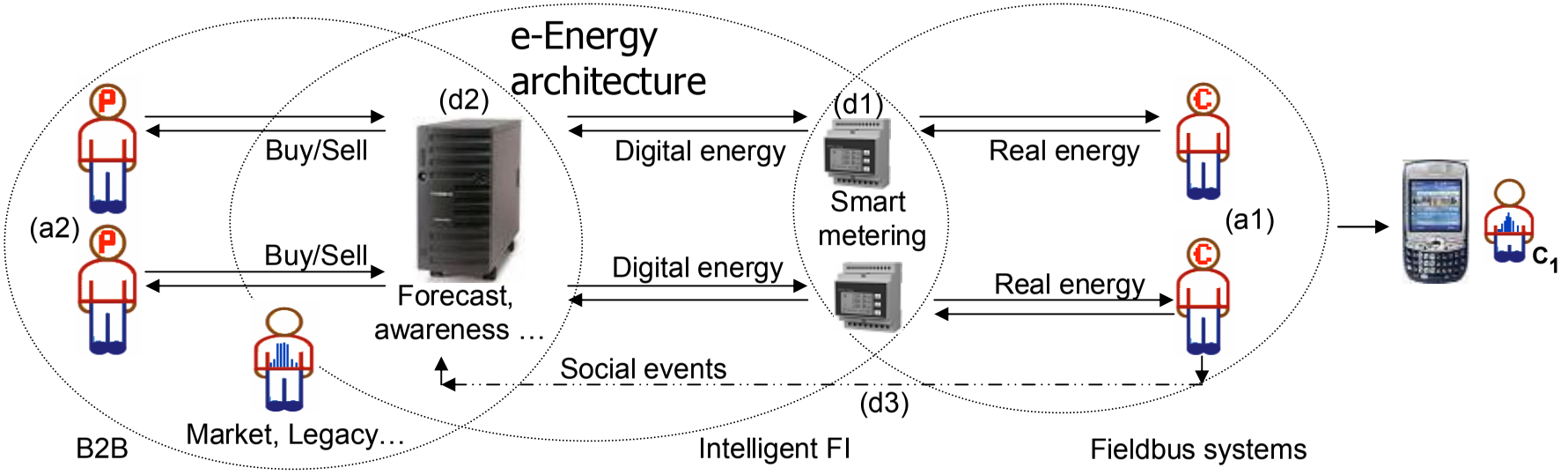
Our contribute in the “ICT for smart energy” Use Case

1. We plan to showcase **how to overcome the current max. limit** of the renewable energy solving some unpredictability-related questions.
2. We plan to investigate on how to **make visible the energy consumption dynamics** to the end user, making the currently invisible & seamless process being monitored by the consumers. We propose the new HMIs.
3. We plan to research on how to manage the energy quality **actively** using the anticipatory knowledge.



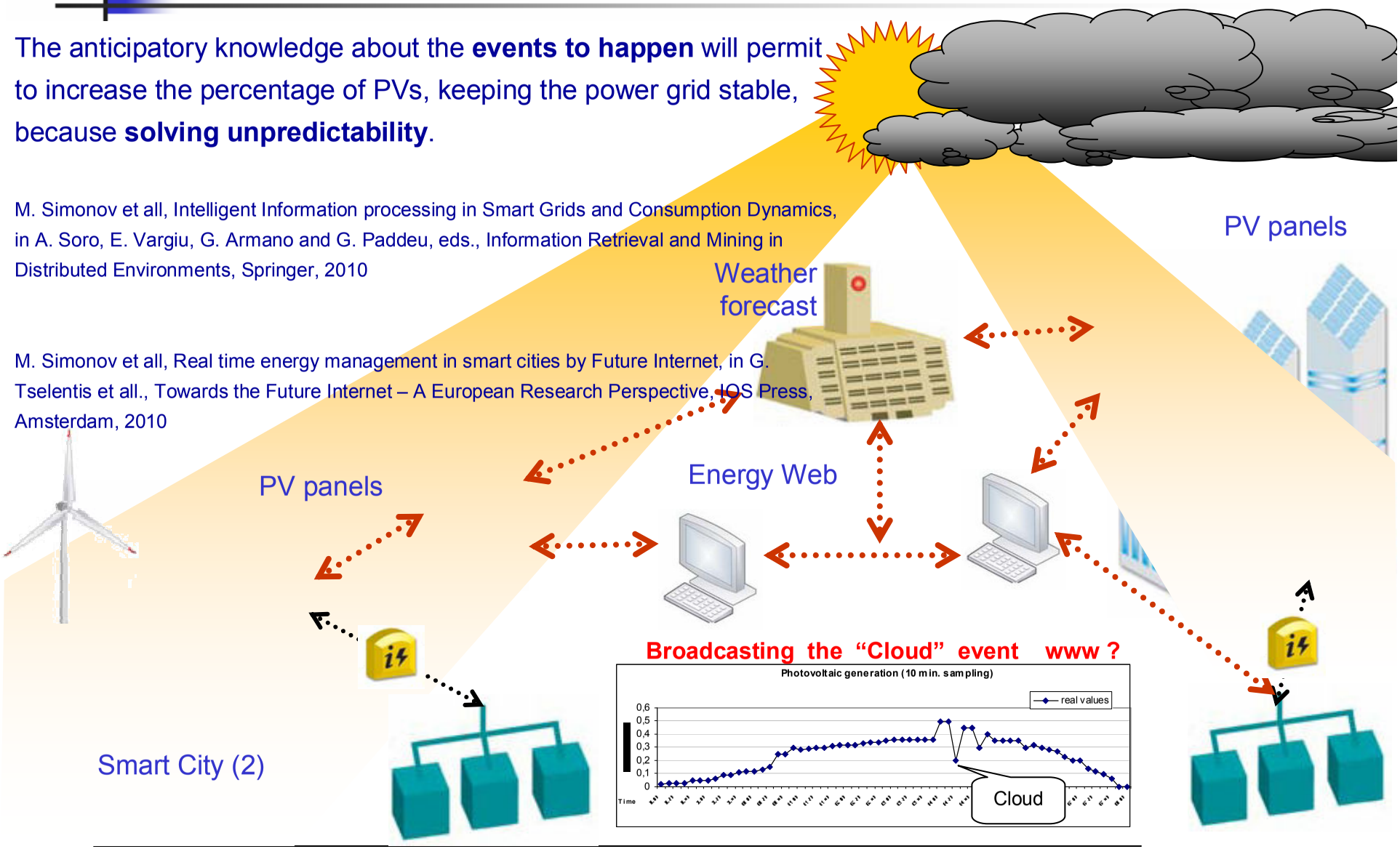
Mikhail Simonov (simonov@ismb.it), Bruxelles, 22 June 2010

How to inject more renewable in the grids

The anticipatory knowledge about the **events to happen** will permit to increase the percentage of PVs, keeping the power grid stable, because **solving unpredictability**.

M. Simonov et all, Intelligent Information processing in Smart Grids and Consumption Dynamics, in A. Soro, E. Vargiu, G. Armano and G. Paddeu, eds., Information Retrieval and Mining in Distributed Environments, Springer, 2010

M. Simonov et all, Real time energy management in smart cities by Future Internet, in G. Tselentis et all., Towards the Future Internet – A European Research Perspective, IOS Press, Amsterdam, 2010



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