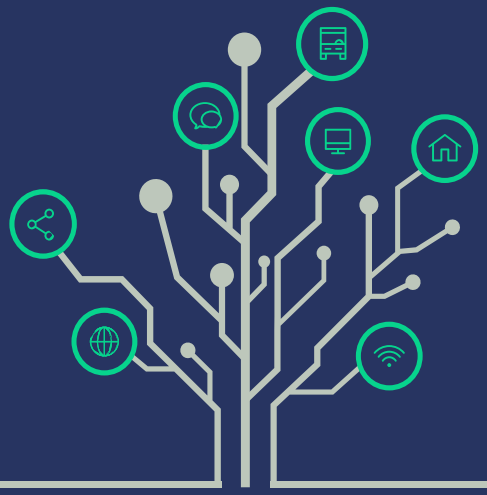
soonapse

Connect, Evaluate, Plan: a Decision Support System enabling smart management of IoT-connected resources.



MARCO CIARLETTI

Founder & CEO

marco.ciarletti@soonapse.com

www.soonapse.com

In the 23th move of the second game of 1987 World Chess Championship (Karpov versus Kasparov), Karpov was going to move his knight

Everyone expected the move in C2, with the following probable continuation: 24 Db2, C:e3; 25 D:f6+, Rg8; 26 Dg5+, Rf8; 27 Dh6+, Re7; 28 Rg5+, Rd7; (etc...).

It would be the strongest move at that time...

...but Karpov moved his knight to F5, and a few moves later Kasparov abandoned.

The Karpov's move was less strong, but he knew that Kasparov was in zeitnot (time emergency) and that he would not have had time to analyze it properly

How do we take our decisions?

We consider the context, → The game up to the 22nd move

How do we take our decisions?

We consider the context, → The game up to the 22nd move

evaluate the forecasts, → C2 and F5: the following probable continuations

How do we take our decisions?

We consider the context, → The game up to the 22nd move

evaluate the forecasts, → C2 and F5: the following probable continuations

analyze the events, → zeitnot

then...

then...

How do we take our decisions?

We consider the context, → The game up to the 22nd move

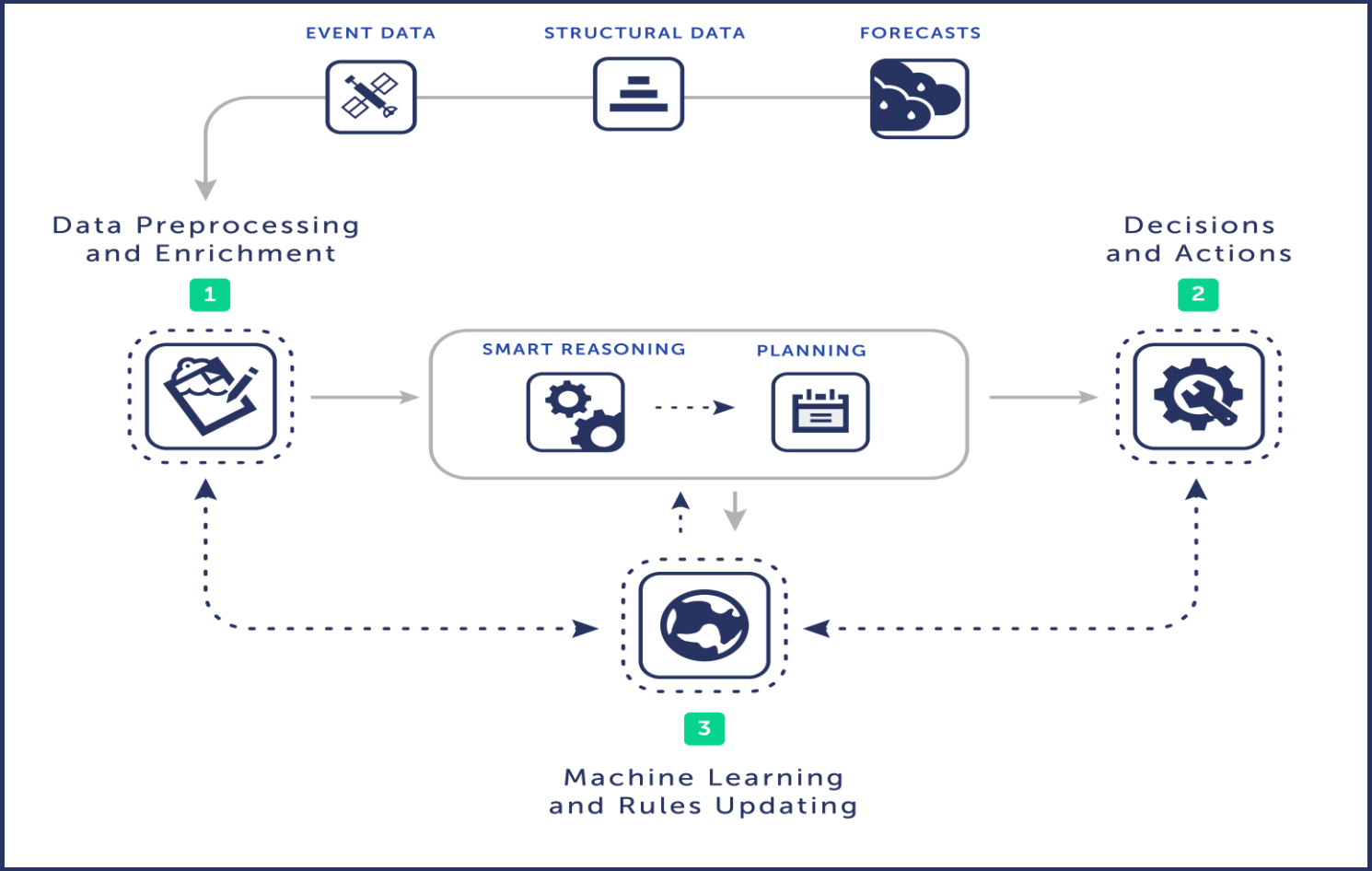
evaluate the forecasts, → C2 and F5: the following probable continuations

analyze the events, → zeitnot

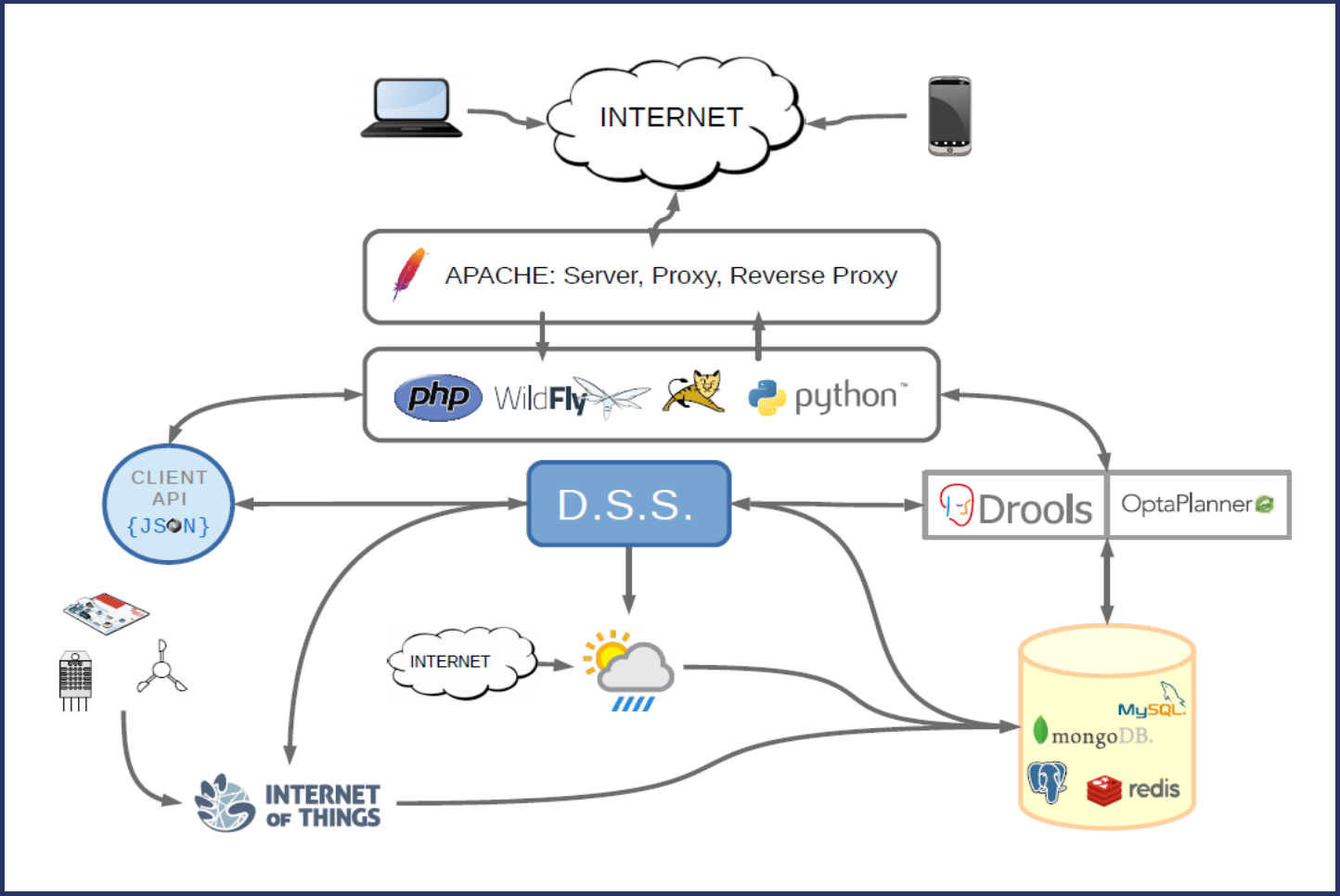
then... → then...

develop our strategy → chooses the path that takes advantage of the time

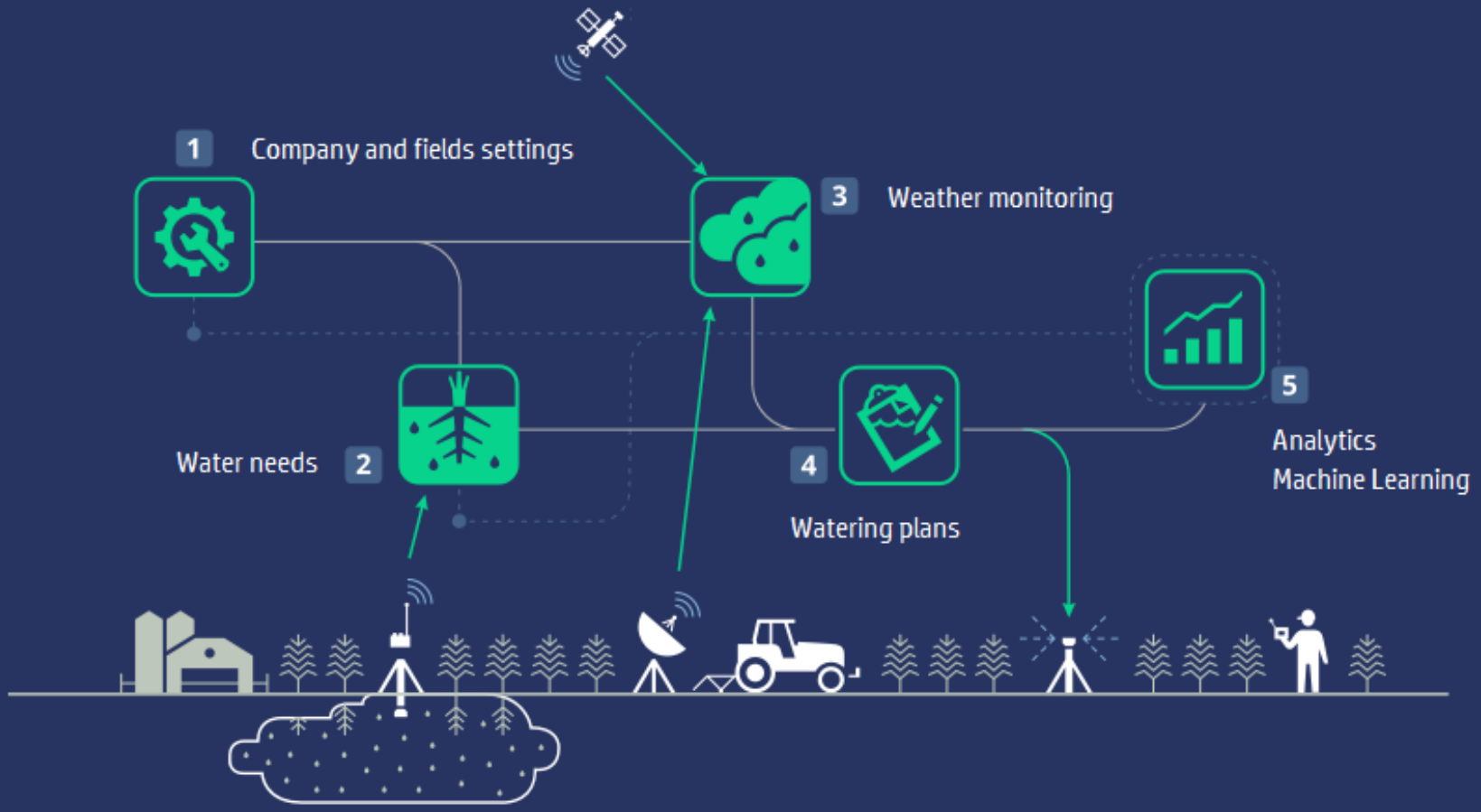
The Logical Model



Architectural Reference Model



SWAP – Smart WAtering Planner



SWAP & Soonapse DSS

SWAP is the first irrigation management system that produces and updates in real time and automatically the irrigation plans;

SWAP from the start sets the water balance of the entire life of your crop, but then they are the sensor data and the weather forecasts that daily guide the irrigation scheduling;

Easy to use and accessible from any device (smartphone, tablet, PC, etc ...), SWAP allows you to monitor at all times the status of crops, warns you if it finds problems and allows you to intervene when you considers this necessary;

The powerful rules engine of the Soonapse DSS allows SWAP to define each time the most suitable irrigation plan, also taking into account constraints and business priorities, such as control of water thresholds used, the energy costs of facilities management, etc...

Anticipate possible risks, and define strategies for distributions and optimization of resources over time: SWAP is just the first example of the added value that the Soonapse DSS can provide at any IoT sector: Energy Management, Building Automation, Smart City projects, etc...

Thanks for your attention

soonapse

Soonapse Srl

Via Salaria, 292

00199 Roma

+39 06 88805551

info@soonapse.com

www.soonapse.com