

Towards adaptive robotic green plants

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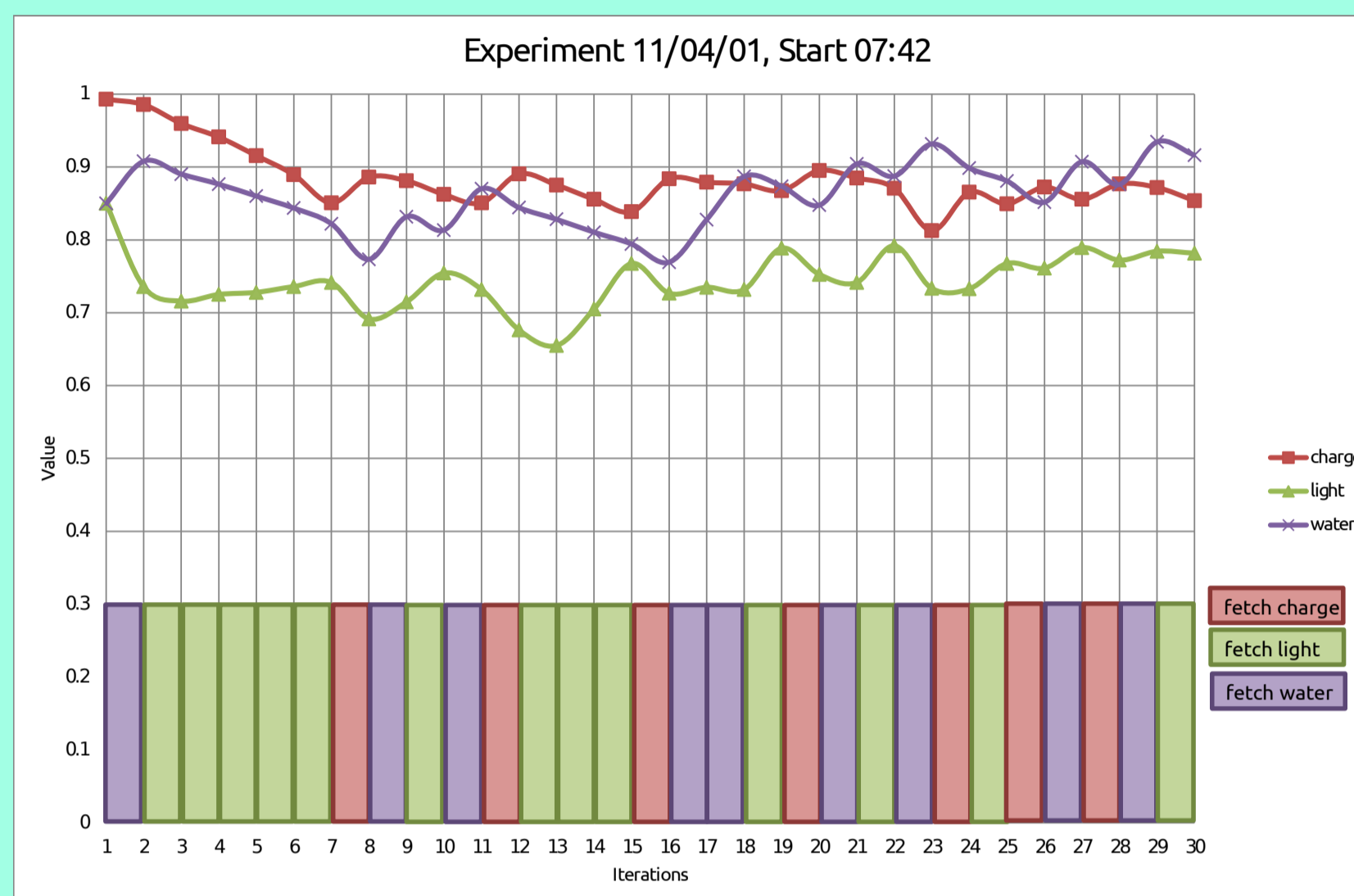
This work was conducted in the context of the artistic project **Pas de deux en vert et contre** of Aline Veillat funded by the Office fédéral de la culture, Sitemapping initiative.

Aim



Allowing plants to move, to rethink their role in human societies.

Constraint



Cyborg must show interesting behaviours for visitors.

Result

date	start	dur. [h]	stop reason
11/04/01	07:42	10	interrupted by user
11/04/04	07:53	8.5	robot out of battery
11/04/04	18:23	7	robot out of battery
11/04/07	07:55	28.25	interrupted by user (2x external help)

Continuous operation for up to 28 hours, while alternating behaviours in an interesting way from an artistic point of view.

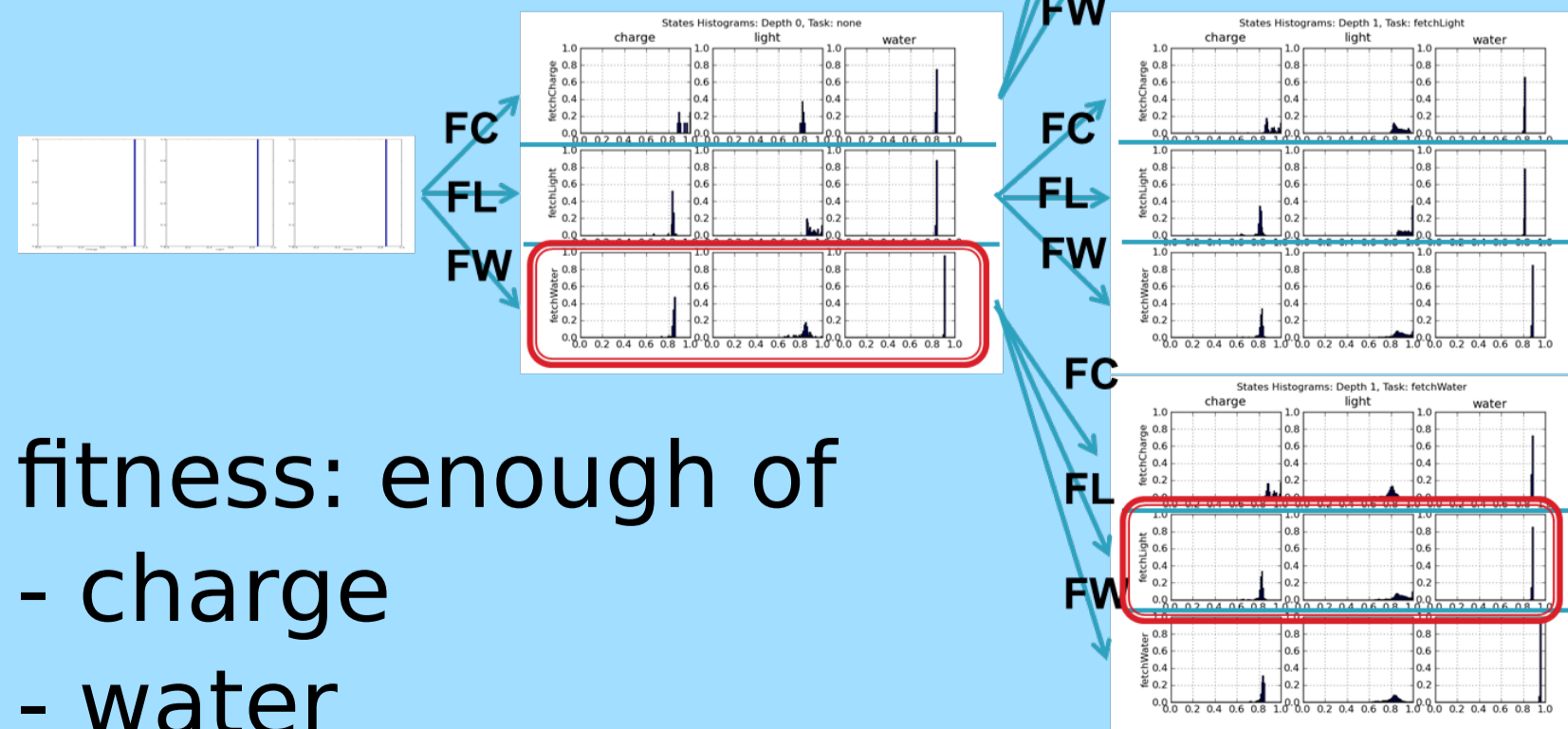
Task



Satisfy internal needs of water, sunlight, electrical energy.

Means

Probabilistic planning
max E(fitness) at a certain point in the future



fitness: enough of
- charge
- water
- light

future work



Currently adding noise avoidance and vision (position and distance to other robots) for group behaviours.