



Horizon 2020 - societal challenge 5

Inducement Prize : Zero Power Water Infrastructure Monitoring

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IWA Leading Edge Conference on Water and Wastewater Technologies

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What is an inducement prize?

- "Inducement prizes offer a reward to whoever can **first or best** deliver breakthrough solution to a clearly defined challenge. They are used to spur investment in a given direction, by specifying a target prior to the performance of the work.
- **NOT** a recognition prize!! (used to recognise an outstanding work **after** it has been performed)

Inducement prize approaches

- Reward entry that first meets the specific goal announced in the rules of contest (“first-past-the-post” contest)
- Reward **best entry** within a given period (“best-in-class” contest):
 - the prize is awarded to the participant that comes closest to achieving the announced objective within the stated time period;
 - clear closing date.

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Eligibility criteria

- **Open to any legal entity (including single persons) or groups of legal entities from MS and countries associated to H2020;**
- **The solution must have been developed by the contestant**

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Prize statement

"The prize will be awarded, after closure of the contest, to the contestants who in the opinion of the jury demonstrate (which is at least a working system prototype demonstrated in an operational environment) that best addresses the following cumulative criteria:

- Positive impact;
- Reliability;
- Innovative design"

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Scope

- **Resolve the current issues of Water Infrastructure Monitoring:**
 - Monitoring Demand-Supply/Pressure
 - Leakage management;
 - Real time monitoring;
 - Lifetime of energy harvesting technologies;
 - Quality, no contamination;
 - Standardisation/Interoperability: one solution for all environnements;
 - Price;
 - **The proposed solutions will have to be demonstrated through demonstrations. Solutions should reach at least Technology Readiness Level 7 at the last stage of the competition.**

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Expected impact

- Stimulate the creation of an effective and scalable autonomous, zero-power wireless sensor network platform to monitor of water resources;
- Provide the EU water utilities (and/or municipalities with an end-to-end ICT prototype for water monitoring;
- Reinforce scientific excellence and recognition of European Research and Innovation organisations;
- Achieve participation of actors that are not usually/frequently involved in classical cooperation actions;
- Generate general public awareness on the importance of research and the EU support to it.

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Stages	Indicative timetable
WP Adoption	Q3 2016 (July)
Publication of the rules of contest	Q1 2017
Deadline for submission	Q3 2018
1 st evaluation phase	Q3 2018 (paper based)
2 nd evaluation phase	Q4 2018 (paper update + demo)
Award decision	Q4 2018

Prize purse: € 2 000 000

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Rules of Contest

- **Annex to the Work Programme (Model Rules of Contest - RoC) to be published by beginning of 2017**
- **Common Rules of Contest for Prizes will be specified: processing of personal data, sole liability of contestants, applicable law and competent jurisdiction, conditions for participation, applicability of penalties, and exclusion criteria**
- **Additional information in RoC:**
 - (i) Arrangements and final date for the registration and submission of entries
 - (ii) Arrangements and rules for judging panel expert assignment
 - (iii) Arrangements for the payment of prize(s) to the winner(s) after their award
 - (iv) specific award criteria together with their thresholds and weighting, conditions for cancelling the contest, indication whether hearings will be organised as part of evaluation panel deliberations.

More Info & Contacts

Work Programme 2016 – 2017

5.i Information and Communication Technologies

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