New business model for federal agencies to harness the creative capacity of the American public and private sectors to spur innovation and solve agency’s problems through financial incentive prizes.

Research and Development Office
Science and Technology Program
The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.
Bloomberg Business Journal:

Collaborative innovation will mean the end of the great-man theory of innovation. Before much longer, the differentiator among great managers will be less individual brilliance and more skill in extracting value from a fluid network of internal and external parties.

A Sampling of Prize Competition Platforms and Organizations
GE Open Innovation

GE understands solving the world’s toughest problems through advanced manufacturing techniques and processes requires collaboration. By crowdsourcing innovation—both internally and externally—GE is improving customer value and driving advancements across industries. By sourcing and supporting innovative ideas, wherever they might come from, and applying GE’s scale and expertise, GE’s approach to open innovation is helping to address customer needs more efficiently and effectively.

Open Innovation Manifesto
We believe openness leads to inventiveness and usefulness.

We also believe it’s impossible for any organization to have all the best ideas, and we strive to collaborate with experts and entrepreneurs everywhere who share our passion to solve some of the world’s most pressing issues.
Water Prize Competition Center

http://www.usbr.gov/research/challenges/

• Federal Authority:

   America COMPETES Reauthorization Act of 2010 (15 USC 3719); Section 24 - Prize Competitions

• Reclamation R&D Office Appropriations Specific for Funding
  • FY2014: $ 2 million
  • FY2016 President’s Budget: $ 3 million

• Any Federal Appropriation Can be Expended for Prize Competitions…specific appropriation not required
Problems that are typically better suited for solving through prize competitions

• An adequate or strong solution has been evasive or expensive.

• You find yourself saying that somebody, somewhere probably knows a better way of doing this.

• Market forces may not provide appropriate incentives to solve...or solve well.

• You would like to reach beyond the usual sources of potential solvers and experts that commonly work in your domain.

• You would like to jump-start your research project by augmenting your literature search with a prize competition to gather good ideas or see what else exists.

• You would like to see if anybody can help you solve a tough, complex element that is bogging down your overall research project.
Where are We At and Where are We Going?

Innocentive’s Short, Targeted Competitions at $10,000 - $100,000 award/contest (Similar to Single Baseball Game, or 2 Game Series)

Ecosystem Restoration: ~ 1 Challenge Every 3-4 months
Water Availability: ~ 1 Challenge Every 3-4 months
Infrastructure Sustainability: ~ 1 Challenge Every 3-4 months

Plan, Design, Launch 1 or more Grand Challenges (Similar to Baseball Division, League, or World Series Championship)

Build Core Competencies
Seek Non-Federal/Private Sector Partners
Recommend Future Directions
Team of 3 to 4 or more federal subject matter experts join Innocentive Challenge designer. Federal Co-team leads spend ~ 3 to 4 (or more) staff-days each over a 3 – 4 week period. Other design team members provide reviews and contributions.

Some to no Federal involvement during posting period.

Team of 3 or more federal and non-federal judges may spend 2-4 staff days or more. Design team co-leads become members of judging panel.
Water Prize Competition Posting Locations

Challenge.gov
https://www.challenge.gov/list/

Innocentive Challenge Center
https://www.innocentive.com/ar/challenge/browse
nature.com has teamed up with InnoCentive to offer its readers the opportunity to participate in research and development challenges. As a Solver, you can apply your expertise to important problems, stretch your creative boundaries, and win cash awards.

» Need a Challenge Solved?  » Become a Solver

» Solver stories  » Contact InnoCentive and NPG

All Challenge postings and submissions are managed by InnoCentive.

FEATURED CHALLENGE:

Improved Methods for In-vitro Plant Regeneration
Challenge Reward: $10,000 USD  Challenge Type: Ideation  INNOCENTIVE: 9933678

The Seeker desires improved methods for in-vitro plant regeneration. Additional details are available in the Detailed Description and Solution Requirements section of the Challenge once you register as an InnoCentive Solver.
The Benefits of Federal Collaboration

1. Leverages collective Federal capabilities
2. Ensures a federal solution does not already exist
3. Avoids duplication
4. Catalyzes interagency working relationships
5. Better defines and solve joint problems
6. Solutions will have broader impact
7. Better serves the stakeholders and the public
8. Consultation across federal gov’t required by prize competition law
Prize Competition Design Team Roles

1. Make sure an adequate solution does not exist.
2. Team-up with Innocentive to design the challenge.
3. Define and deconstruct the problem (Define the Black and Grey Space).
4. Define success = The prize performance criteria (Define the White Space).
5. Co-Design Leads participate on Judges Panel and recommend and other judges.
Prize Competition Agency/Office Broker Roles

1. Broker the participation of your subject matter experts.
2. Broker understanding of priorities with your agency/office.
3. Keep your agency/office management informed as needed.
4. Keep stakeholders informed as needed.
5. Help broker partners and co-sponsors.
6. Participate on monthly coordination conference calls.
7. Review and concur that the prize competitions that you have a stake in are ready to launch.
Reclamation Prize Competition Theme Area
Portfolio Manager Roles

Coordinate across Reclamation and with collaborating agencies to prioritize, select, form design and judging teams, schedule and budget prize competitions for final design and Nation-wide launch.
Prize Competition Reclamation and R&D Office Roles

1. Establish prize competition practices and process that meet legal requirements…and are win-win for all involved.
2. Ensure all prize competitions are posted on the Federal Register and Challenge.gov, as required by law.
3. Obtain the necessary DOI and Reclamation approvals to launch each prize competition challenge.
4. Fund Reclamation’s subject matter experts and facilities, as needed.
5. Obtain and Pay Prize Competition Contract Services
6. Make payments to the winner(s)
7. Broker co-sponsors and other partners
Contacts

Prize Competition Portfolio Managers

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Questions and Discussion