The Innovative Technology Fund

Investing in Chesapeake Bay Restoration

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In 2007 Maryland and the Environmental Protection Agency agreed to promote investments in technologies to accelerate Bay restoration efforts.
Scope

Maryland’s Innovative Technology Fund...

reduces non-point source nutrients and sediment.

supports the development of successful businesses while creating green jobs in Maryland.

ensures the State is always on the cusp of the most cost-effective and efficient technologies.
The Innovative Technology Fund has two arms...

The State partnered with two University of Maryland’s programs:

- **Research and Development** – university researcher is paired with a company
- **Seed Capital** – supports fledging companies in industry and technology
Supported Projects

• Agriculture
  • AHPPharma (research and development)
  • AviHome (research and development)

• Energy
  • Zymetis (seed capital)
  • Proparts (research and development)
  • HY-TEK Bio (research and development)

• Transportation
  • Traffax (seed capital)

• Natural Filter
  • Blackrock Algae

• Urban Stormwater
  • Stancills (research and development)
BlueWing is evaluating floating treatment wetlands for the removal of nitrogen and phosphorus from agricultural stormwater runoff.

http://www.bluewing-env.com/
MD Environmental Plastics invented biodegradable plastic seed pots uniquely designed to allow for proper root growth for greater plant establishment.
Supported Projects – Maryland Environmental Plastics
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**Smart Slope** produces concrete retaining wall modules designed to be planted, creating fully vegetated walls helping to diminish heat island effects, as well as reducing stormwater, sediment and nutrient runoff.

http://smartslope.com/
Challenges & Next Steps

Hesitant to implement these practices on a large scale.

Working to incorporate successful technologies into the TMDL WIP and next set of milestone practices.

Attract new funding partners.
Conclusion

By supporting innovation, the State demonstrates their commitment to investing in research and development as a way to improve efficiency and maximize return on investment...

The Innovative Technology Fund is one of the tools Maryland will use to meet the TMDL...
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SO WE HAVE MORE CRABS TO EAT!
Thank You

http://www.dnr.maryland.gov/ccp/intechfund.asp