



A Primer on Open Innovation – Egypt ICT Opportunities

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A Global Movement Towards Open Innovation

e-Visit to Rural Village Sparks India-US Open Government Dialogue

E-Panchayat Initiative

Fiber to the Village Supports e-Government



On his first full day in office, President Obama directed his CTO to provide recommendations on how to make the US government more transparent, participatory and collaborative; results in “Open Government Directive”

“...one of the incredible benefits of ...technology...[is that it can position one to] leapfrog some of the intermediate stages of government service delivery, avoiding some of the 20th century mechanisms for delivering services and going straight to the 21st.”

–President Barack Obama,
11/07/10



President's Strategy for American Innovation

Growth at the Intersection of Open Government and Startup America



Startup America – Unleashing Market Opportunities Pillar

Catalyze Breakthroughs for National Priorities

- Unleash a clean energy revolution
- Accelerate biotechnology, nanotechnology, and advanced manufacturing
- Develop breakthroughs in space applications
- Drive breakthroughs in health care technology
- Create a quantum leap in educational technologies

OPEN GOV

Collaboration – Engage Entrepreneurs as Problem Solvers

Promote Market-Based Innovation

- Accelerate business innovation with the R&E tax credit
- Promote investments in ingenuity through effective intellectual property policy
- Encourage high-growth and innovation-based entrepreneurship
- Promote innovative, open, and competitive markets

Invest in the Building Blocks of American Innovation

- Educate Americans with 21st century skills and create a world-class workforce
- Strengthen and broaden American leadership in fundamental research
- Build a leading physical infrastructure
- Develop an advanced information technology ecosystem



Challenge #1: Transform Care Delivery System

Health IT Enables Value-Driven Healthcare

Provider Payment Innovation

Open Health Data Initiative

Patient
Centered
Medical Homes

Accountable
Care
Organizations

Bundled
Payments

Readmission
Reduction
Programs

Innovations Needed:
data mining/analytics; care
integration tools; timely clinical data,
decision support; tech to extend
physician reach; consumer
engagement tools/platforms/apps

Open Health Data: HHS publishing an expanding array of data and APIs to fuel entrepreneurs, free of cost or IP constraint



Challenge #2: A Learning System that Works

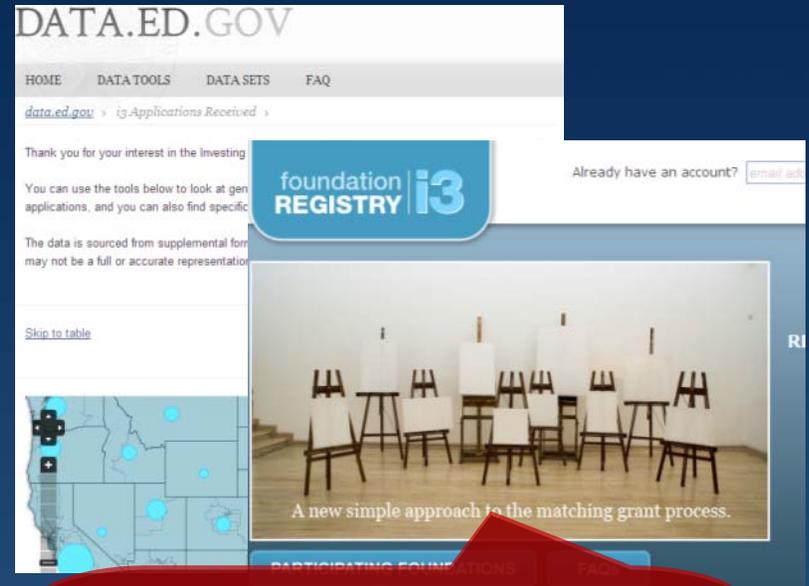
Print to Digital Learning Enables Shift from “Seat Time” to “Mastery”

ARPA-ED Case Study



“Education Dominance”:
Software adapts to how students learn, just like the nation’s best teachers ; inspiration for proposed “ARPA-ED”

Invest in Innovation (i3) Fund



First round of 49 grantees required to acquire 20% match; Registry members accounted for \$63M, or nearly a majority of funds raised



Challenge #3: Unleash a Clean Energy Revolution

ARPA-E Investments, NIST Standards Activities Spur Creativity

Advanced Electronics

NIST Standards Collaboration

Grid Modernization



	Frequency	Mass	Volume
Today	60 Hz	8,160 lb	4.80m³
Tomorrow	50 kHz	100 lb	0.14m³

Early-stage firm, GeneSiC, leads the way in designing a miniaturized grid transformer

Governance: 600+ private sector participants endorse, develop consensus standards; example: PAP10 "Energy Use"



Winning the Future Through Open Innovation

In Pursuit of Policies, Platforms, and Public/Private Partnerships

