

**D3 Innovation Summit Pitch Challenge**

**E. Submission Form and Participation Commitment**

**I. TEAM INFORMATION**

Each team may comprise up to 4 individuals from DoS, DoD, and USAID. Interagency teams are encouraged, though not required.

**Team Member #1** (required)

**First Name:** Steele

**Last Name:** Robert

**Rank:** Civilian

**Title:** Click here to enter text.

**Organization:** Click here to enter text.

**Office:** Click here to enter text.

**Email:** Click here to enter text.

**Phone:**

**Gender:** Male

**Hiring Mechanism:** Other

**Time in Government:** More than 10 years

**NOTE:** Should this idea be chosen for the first phase of consideration, it should be discussed among D3 elements and a new team formed. The opportunity was only noticed (via TRADOC’s web page) on 1 October 2015 – this submission is a placeholder pending team expansion.

**II. PROPOSED CHALLENGE AREA** (required)

This proposal advances… *(check all that apply)*

Defense objectives

Diplomacy objectives

Development objectives

1. **UNDERSTANDING THE CHALLENGE** (required)

*Note: do not submit any classified information or proprietary information that is not free to be shared in this forum and for this purpose.*

**Proposal Name**: *Name of proposal*

Open Source (Technologies) Agency

**Problem Background** (150 words max): *Describe the problem you are trying to solve and any relevant background information. Address the impact and innovation potential of your idea given the status quo.*

At a meta-scale, the common defense, diplomacy, and development (D3) challenge is the “digital deserts” that are also coincident with energy, water, and food scarcity. The current industrial-scientific paradigm is unaffordable, not inter-operable, and will not scale to address the needs of the five billion poorest in time to avoid a climate change collapse that makes today’s illegal immigration look like the thin stream that it is – tens of millions of displaced persons are in our future absent a radical change in how we do the business of D3. At the intermediate scale, our defense, diplomacy, and development efforts cannot achieve their full potential, both within our Whole of Government context and multinationally, for lack of affordable, inter-operable, scalable and secure information-sharing and sense-making tools that allow holistic analytics, true cost economics, and open source everything engineering (OSEE) to be applied to the high level threats to humanity.

**Idea** (250 words max): *Describe your proposed solution to the problem you have identified. Describe how existing or emerging technology can be leveraged. Address the impact, innovation potential, and feasibility of your idea.*

The focus is on open source technologies – sixty of them in nine categories agreed upon by Open Source Ecology, the Peer-to-Peer Foundation, and Earth Intelligence Network, the top three proponents of integrated comprehensive Open Source Everything Engineering (OSEE). All are vital to D3 and by definition innovative: Open Data; Open Governance; Open Health; Open Infrastructures; Open Intelligence (included education and research); Open Manufacturing; Open Provisioning (includes energy, water, shelter, and food); Open Software; and Open Space. The idea would be implemented in two forms: an information-centric form focused on digital deserts and D3 information-sharing including a United Nations Open-Source Decision-Support Information Network (UNODIN) that makes it possible to harmonize other people’s money at the village level (eliminating the 80% lost to intermediaries) and an OSEE Innovation Center focusing initially on Open Provisioning – free energy, unlimited desalinated water using free energy, the rapid completion and global deployment of the Global Village Construction Set including pressed-brick shelters, decentralized composting, and aquaponics – sustainable agriculture without pesticides. This idea is directly responsive to both past Defense Guidance, and to the State-USAID Joint Strategic Plan 2014-2017, particularly goals 1.2 (inclusive economic growth reducing extreme poverty and improving food security), 3.2 (clean energy helping transition to a cleaner global economy), and 5.1 (enable more effective influence operations). With respect to digital deserts, this idea would for the first time aggregate research, development, and implementation of all the opens relevant to connecting and empowering the five billion poor.

**Resource Requirements** (250 words max): *Describe what is needed to implement your idea (resources, stakeholder buy-in, legal requirements, etc.). Address the feasibility of your idea.*

IOC $125M, FOC $3B. The first half would fund open source technologies for Multinational, Multiagency, Multidisciplinary, Multidomain Information-Sharing and Sense-Making (M4IS2, a Swedish military concept). Keith Hall, then Director of the NRO, provided the $1.5B a year number in 1997 to SES Boyd Sutton, then carrying out a study on “The Challenge of Global Coverage,” finding that $10M for each of 150 lower-tier targets not covered by the secret world was needed. In this implantation, the focus would be on open source technologies that allow the harnessing and harvesting of world knowledge from everyone in every language and medium (copy as received to the secret world, original stays in the D3 world). The second half would fund the Open Source Everything Engineering Innovation Center, with a recommended initial priority being on rapidly developing fieldable open source renewable energy, desalinated water, brick-pressed shelter (and the other 50 tools in the Global Village Construction Set), natural sewage, and aquaponics. Open Health, Open Infrastructures, and Open Manufacturing would be the other three early priorities, with the intent of being able to create a break-away civilization from the ground up within 90 days via air-dropped “village in a box” containers. Properly implemented and publicized, this capability should yield, within the year, an attractive resettlement proposition for refugees that would otherwise flee north. The idea is feasible if the agency is started from scratch and not encumbered with legacy mind-sets and legacy systems. Everything proposed is immediately do-able but it demands the empowerment of iconoclasts.

**Metrics** (250 words max): *Describe any qualitative or quantitative metrics that can be used to track the progress and success of implementing your idea.*

This new agency has two functions easily measured:

01 to create and share open source technologies that increase the volume, value, and velocity of open source information, including true cost economic information, so as to enable stake-holders to create open (shareable)evidence-based decision-support for strategy, policy, acquisition, and operations; and to serve as the global proponent for open source everything engineering that will radically reduce the cost and time required to achieve the SDG goals, while increasing our ability to leverage other people’s money to that end.

02 to create and share open source technologies that enable the five billion poor to achieve energy, water, shelter, food, health, and manufacturing quickly and affordably, abandoning the D3 paradigm reliant on traditional industrial-financial-proprietary sources and methods.

On the information tool-kit, we would create a new open source information-sharing and sense-making tool-kit that allows the D3 community to harvest what everyone else knows, in every language and medium, while orchestrating a global open source (secure) information-sharing mesh network. We would measure how quickly we create an open integrated tool-kit with all eighteen functionalities (http://tinyurl.com/Steele-CyberOSINT), and how many people begin to use that tool-kit instead of commercial alternative.

We are attracted to the challenge of bringing to beta the “village in a box” conceptualized by Open Source Ecology with its Global Village Construction Set, and Earth Intelligence Network. We can fruitfully sponsor a breakaway civilization on any ground that is uncontested, and consists of dirt, sunlight, and seawater. We provide technologies, D3 moves the people.

**Five Critical Next Steps** (200 words max): *Describe the pathway to implementing your idea. Include any associated timelines, if applicable. Address the feasibility of your idea.*

Click here to enter text.

1. Secure Secretary of State concurrence.

2. Brief Vice President Joe Biden who becomes Chairman of the Board.

3. Set in motion DoD transfer of non-reimbursable funding ($125M IOC)

4. Appoint a provisional leadership team

5. Offer testimony to Congressional committees toward Smart Nation Act

**Ideal End State** (150 words max): *Describe what success will look like with the implementation of your idea. Address the impact of your idea and its innovation potential.*

We recommend that the Open Source Agency be approved with the United Nations Open-Source Decision-Support Information Network (UNODIN) as its global face. Think of this as a means of achieving, at very low cost and with negligible resistance, the vacuuming of what everyone else knows in any language, that is not now accessible to the D3 community.

An ideal end state would see every person on the planet in possession of a cellular phone with Internet access within three years, at the same time that we create a global to local information-sharing and sense-making grid that is impervious to interruption or data compromise.

We have in mind a crash program to create an open energy – open water desalination combination able to desalinate hundreds of millions of gallons of water for one tenth of the current price. This is relevant to defense, and to development.

**IV. STAKEHOLDER SUPPORT** (optional)

NOTE: The opportunity to submit a proposal was not noticed by most defense information specialists and their managers. Whether this idea is accepted for consideration or not, it is recommended for dissemination to the D3 decision support and knowledge management as well as the D3 research and development and technology acquisition elements, for discussion.

**V. PARTICIPATION COMMITMENT** (required)

Check each box and sign and date at the end.

*I have obtained employer and/or supervisor permission to participate prior to submitting my proposal. I understand that meaningful participation in the D3 Innovation Summit Pitch Challenge may incur an additional time commitment.*

[For Contractors Only] *My participation in this event has been requested by a government employee and approved by the contracting officer’s representative.*

*My proposal may be discussed publically and taken under consideration by senior government leaders.*

*My proposal will not include any classified information or proprietary information that is not free to be shared in this forum and for this purpose.*

*If selected for further consideration, I will be available to audition in-person or virtually the week of October 12 for a chance to pitch in the D3 Innovation Summit Pitch Challenge.*

*If selected, I will be available to present at the live D3 Innovation Summit Pitch Challenge the week of November 30 in Washington, DC, and to attend in-person or virtual coaching sessions to practice my presentation.*

**Name:** Robert David Steele

**Date:** 10/5/2015