

# NDP 2030 Mega Hackathon Concept



# Problem Statement

- September 2018 marks the 20<sup>th</sup> year of the implementation of the NDP 2030 vision.
- There are fragmented approaches to implementation leading to difficulty in monitor progress and assess its direct impact.
- Poverty levels are rising up- 50% of SA's population is living in poverty.
- There is still a high rate of unemployment amongst the youth irrespective of educational levels.
- Approximately 3, 1 million (29, 7%) of the 10, 3 million young persons (15-24 years) were not in employment, education or training between the 3rd and 4th quarters of 2017.
- There is a lack of a collaborated effort within Government in terms of governance structures to enforce collaboration and sponsorship to fund the deployment of the eServices.
- Government does not possess the required skills and expertise to develop and produce creative and innovative solutions which will accelerate the delivery of public services as mandated in the NDP
- There is a need for a multi-stakeholder collaboration from various sectors
- The ITU summit in September 2018, presents an opportunity for SA to showcase home-grown solutions

## Socio-economic challenges



# Hackathon Challenge

The challenge is open to all South Africans from different backgrounds and disciplines to create innovative and functioning solutions that aim to solve the socio-economic challenges as defined in the NDP2030.

## Three categories of the Hackathon Solutions



**Code Jam:** participants will build innovative software engineering solutions such as mobile applications, web based solutions



**Data-centric:** participants will build innovative products and insights on specific set of data, focus will be on data insights, data mashups and data solutions.



**Internet of Things (IoT):** participants will build innovative IoT devices that can sense, connect, infer, and act.

# Objectives of the Mega- Hackathon

- Elevate the profile of the ND2030 in all public and private sectors, civil society and academia, this provide an opportunity for all South Africans to learn about the NDP 2030.
  - Provide an opportunity for all South Africans and in particular the youth to join hands in developing solutions that are aimed at accelerating the implementation of the NDP2030 outcomes.
  - Ensure that solutions developed solve the current and pressing socio-economic challenges which will improve the lives the SA citizens.
  - Create a new breed of problem solving and solutions-oriented public sector and SOC professionals, students and civil society representatives that are conscious of the socio-economic challenges and utilise ICT as a means to solving these challenges by employing fresh & innovative ideas.
  - Create the right environment for the development of concepts that wouldn't normally be put together.
  - Position SITA as a brand associated with a thought-leading and creative industry platform.
- Build skills within government and SA i.e. Data Science, Data Analytics, Internet of things (IoT) Business Analysts, and Business Applications Developers.
  - Create a profile of a digital CIO in Government
  - Provide an opportunity for recruiters to identify and recruit talent.
  - Provide sponsors and partners the opportunity to build networks with innovative thinkers from the technology space i.e. developers, designers, entrepreneurs and others who have game-changing ideas.
  - Builds and extends networking beyond just the hackathon audience but also be able to capture critical business connections in other parts of the business network, including entrepreneurs, investors, producers, writers, and other creatives.
  - Sponsors and partners will be promoted through the event websites, event partner sites, social media channels and publishing sites.

# Participation

The NDP2030 hackathon is open to all members of the South African public as follows:

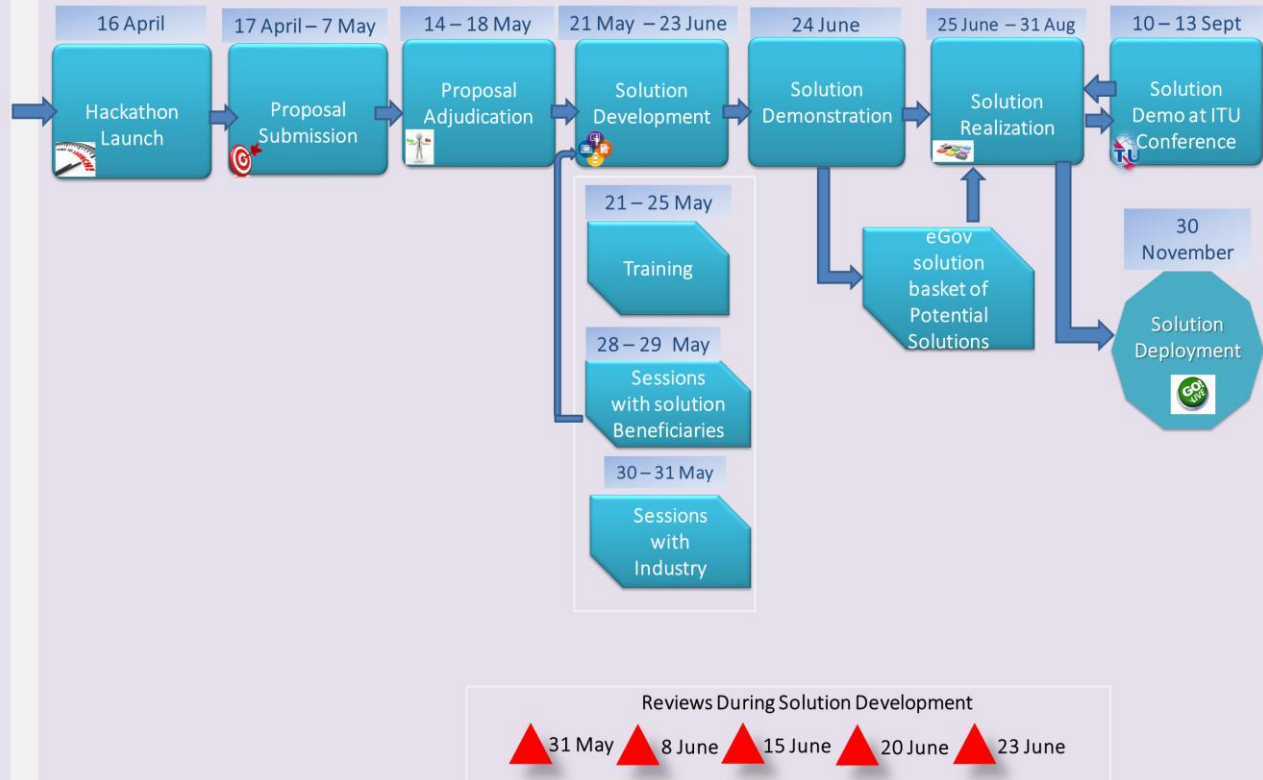
- a) Government officials: All Government institutions i.e. national departments, provincial departments and local government.
- b) State Owned Companies: All state institutions.
- c) NGOs and NPO: All non-governmental and non-profit organisations including cooperatives.
- d) General public: Any member of the SA public.
- e) Private companies: ICT, non ICT and sole proprietors.
- f) Students: Registered students at any of the SA higher education institutions

# High Level Implementation Process

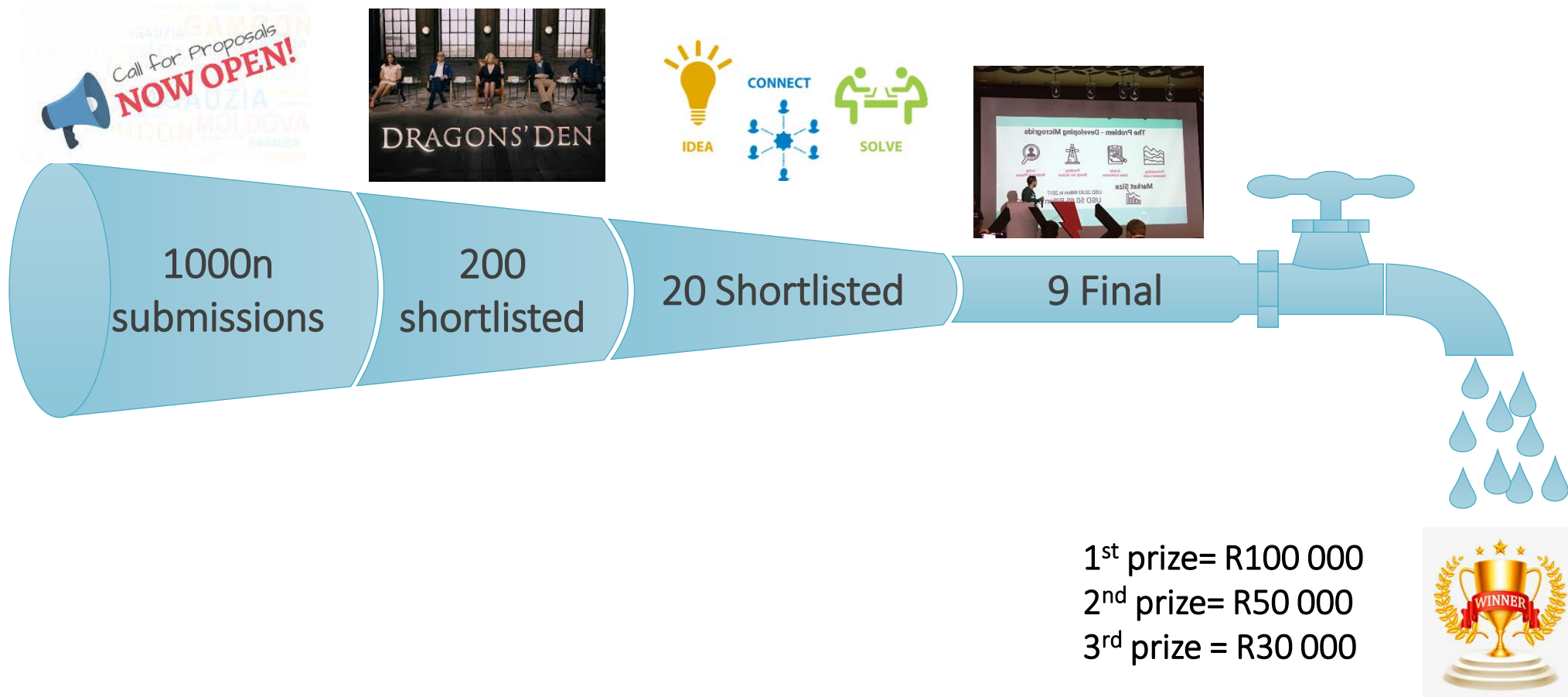


1. **Employment & Economy**  
ICT = Job Creator; Knowledge Economy
2. **Economic Infrastructure**  
ICT infrastructure; Connectivity; Citizen access
3. **Environmental Sustainability**  
Low CO2 footprint; Green IT; Low Power
4. **Inclusive Rural economy**  
Rural connectivity; Rural Access to Gov Services
5. **South Africa in the Region and the World**  
Visibility of government On-line; Proudly South Africa
6. **Human Settlements**  
Spatial mapping technology; Smart City
7. **Education, Training and Innovation**  
Public Service partner with Edu Institutions; Education content
8. **Health Care for ALL**  
e-Health; Telemedicine
9. **Social Protection**  
Social Grant/Benefit Register
10. **Building Safer Communities**  
Broadband; Smart City surveillance; e-Police; e-Justice; Security
11. **Capable and Developmental State**  
Public Service improvement
12. **Fighting Corruption**  
Procurement rules to lock-in compliance; ICT Security
13. **Nation Building and Social Cohesion**  
Access to government services; social media; Libraries

## #HackNDP2030- Doing it for the Country



# Adjudication Levels



# How to enter for the NDP2030 Hackathon

- ❖ The entries for the NDP2030 Hackathon 2018 opens on the 17 April 2018.
- ❖ Participants will be required to work in teams of a minimum of 3 to a maximum of 5 members.
- ❖ To register each team must submit one (1) team proposal via the Hackathon website: <https://www.NDP2030Hackathon.co.za>
- ❖ Participant will be required to identify current and pressing socio-economic challenges within SA, create proposals indicating the problem statement and the proposed business solutions. The plan is to hack solutions within the scope of the 15 chapters of the NDP 2030.
- ❖ The proposal must define a clear problem statement as defined by the NDP2030 and the proposed business solution. The standard proposal template is available on the Hackathon website. Proposals are to be submitted via the hackathon website from the 17 April 2018 until 7 May 2018.
- ❖ Participants must submit entries for the NDP2030 Hackathon 2018 no later than 7 May 2018. Submissions that are late, incomplete or contain incorrect or inaccurate details will be disqualified. SITA may, at its absolute discretion allow late registrations
- ❖ Participants will be provided with the necessary documentation to allow them to identify changes and develop proposals.
- ❖ Contact people:

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# Proposal Template

We have a problem to solve

Citizen-centric problem statement with factual evidence

- ☐ Citizen-centric
- ☐ Specific
- ☐ Fact-based

# Proposal Template

This is how we will do it

Clear scope and plan

- ☐ Specific scope
- ☐ Achievable
- ☐ Test of concept

# Proposal Template

This is what we will deliver

Impact on citizens' lives

- ☐ Compelling
- ☐ Specific
- ☐ Measurable