



AIMS | African Institute for
Mathematical Sciences
NEXT EINSTEIN INITIATIVE

AIMS:

Driving African
Scientific Excellence

Audrey Namdiero-Walsh

European Operations Director
27 November 2018

AIMS-Building a comprehensive ecosystem of socio-economic transformation

· Innovative
Scientific Training
(Human Capital
Development)



· Technical
Advances and
Breakthrough
Discoveries



· Strategic
Foresight &
Innovative
Policy Design



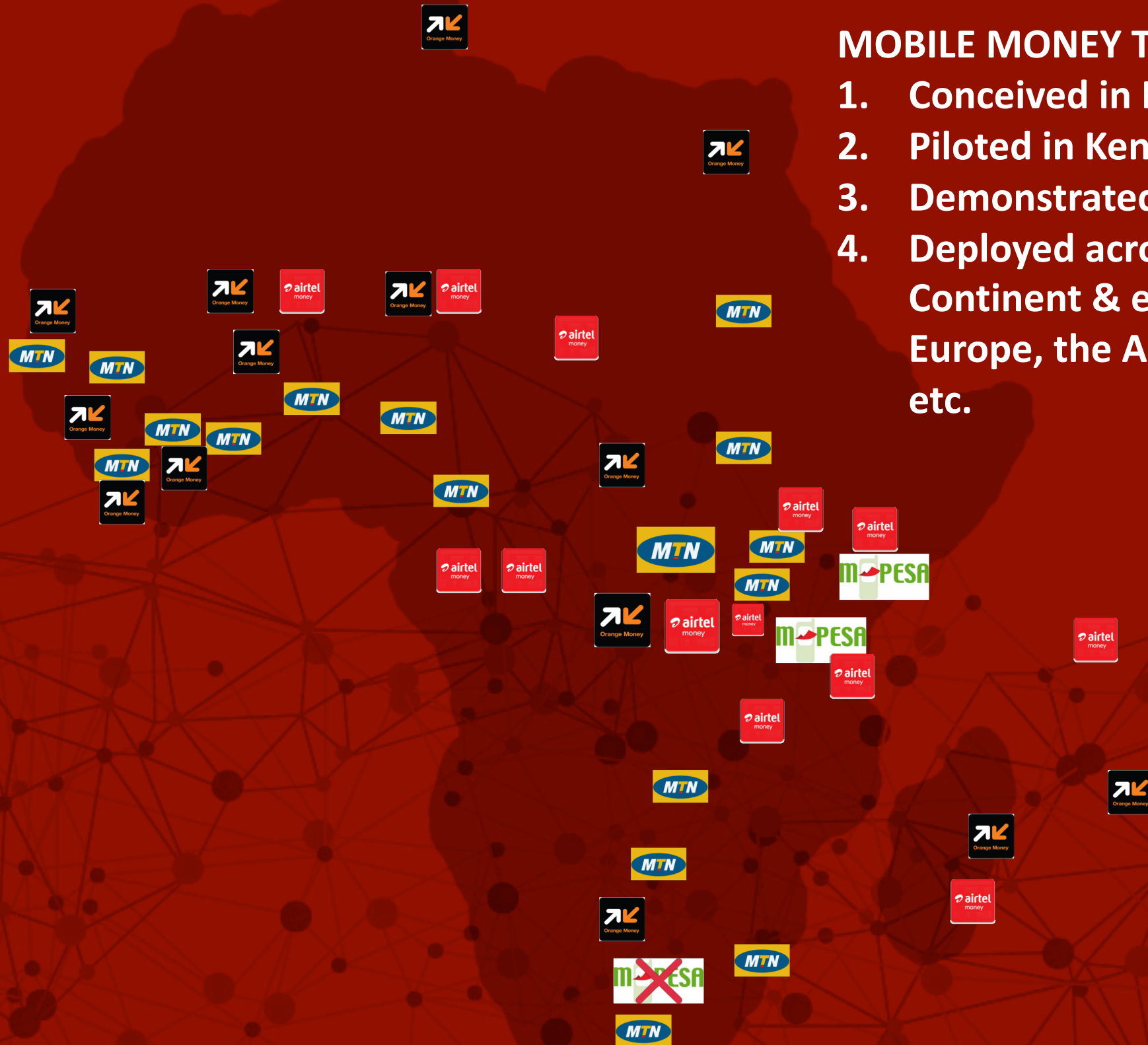
Use of technology to address grand challenges in Africa



Home-grown knowledge disrupting traditional financial models

MOBILE MONEY TRANSFERS :

1. Conceived in Kenya
2. Piloted in Kenya
3. Demonstrated
4. Deployed across the Continent & exported to Europe, the Americas, India etc.



**How can African enterprises
and governments take full
advantage of new digital
opportunities?**



Building operational roadmaps to guide future strategic decisions



Validation workshop planned for March 2019



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Innovative Scientific Training

**New Program at
AIMS African Masters in
Machine Learning**



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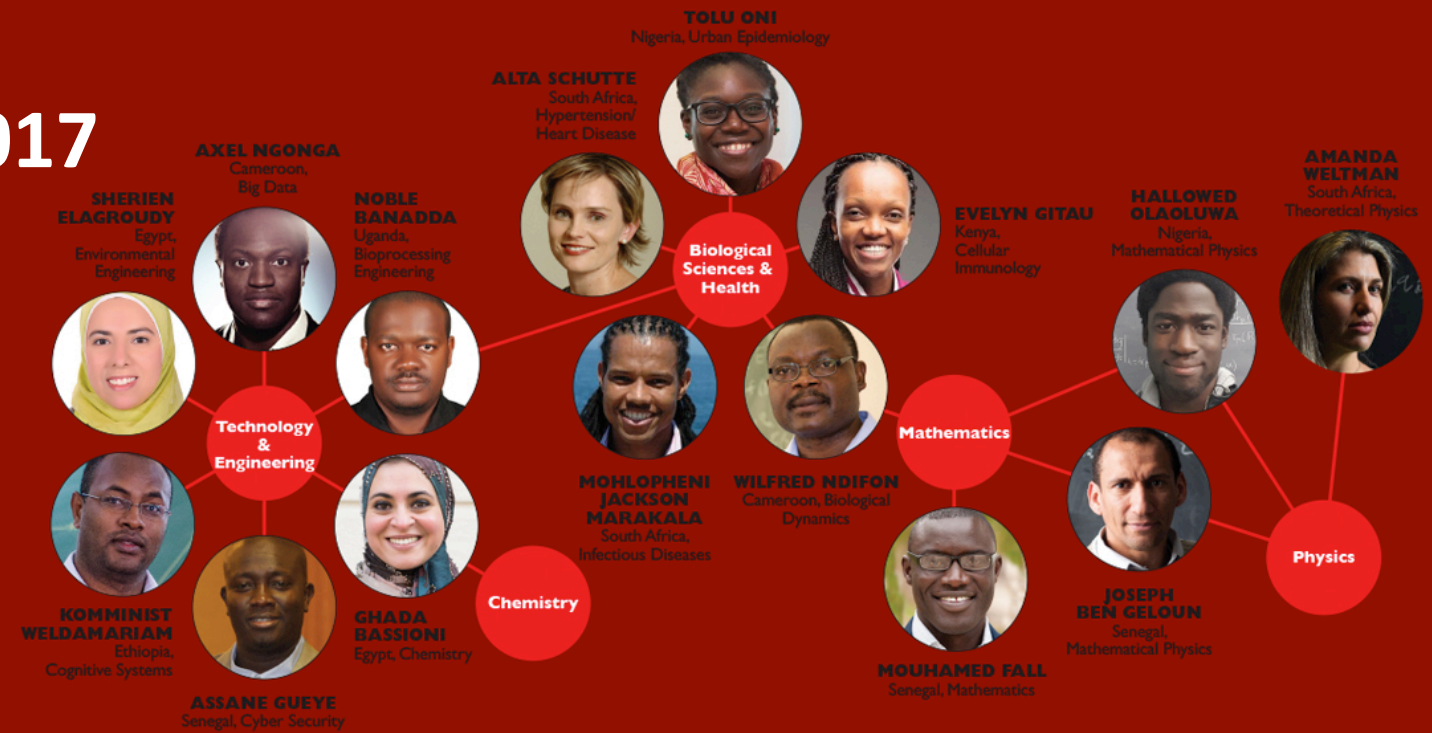
Building a Community of Scientists and creating a culture of role models

NEF FELLOWS 2015 - 2017

FinTech

Agriculture

Energy &
Green Growth



NEF FELLOWS 2017 - 2019

Precision Health

Cyber Security

AI & Machine Learning



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Motivating the young generation to pursue STEM studies



Happening in 35 Countries between
September and December 2018

<https://www.youtube.com/watch?v=ZQ0CpVYDBDk>



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Engage in solving critical problems of development through cutting-edge research



- Data science,
- Smart systems engineering
- Quantum information science and technology



Unlock Africa's "frozen" scientific knowledge



Take Home Message

Indigenous or home-grown knowledge is foundational to innovation in Africa

Indigenous knowledge must be recognized in formal and non-formal education & research in Africa



DOUBLE-TRACK TO INNOVATION



Track 1: **HOME-GROWN** knowledge-based innovation

Track 2: **SCIENTIFIC** knowledge-based innovation





NEXT EINSTEIN FORUM

An  **AIMS** initiative in partnership with the  **Robert Bosch Stiftung**

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