

DRAFT Programme

Youth Innovators Design Bootcamp 2023

Energy and Water Technologies and Innovations for Sustainable Development

20-23 February 2023

Register to connect:

Hosted by Niger

Date: 20-23 February 2023

Venue: Niamey, Niger

PARTNERS: *Department of Science and Innovation (South Africa), UNESCO, IAEA, UNIDO, UNTBLDCs, AMRS, ABEC*

Draft Programme

	Online platform registration open
	Monday – 20 February 2023
10:00 – 11:00	Opening Session <ul style="list-style-type: none"> • Remarks • Jean-Paul Adam, Director – TCND, UN ECA • Minister Moderator: Victor Konde
11:00-14:00	Introduction to the Bootcamp <p>Overview of the Bootcamp and presentations (10 minutes)</p> <ul style="list-style-type: none"> • Team formation, assignment of mentors and selected bootcamp presentations Moderator: Dr. Samuel Chigome, President of the African Materials Research Society.
14:00 - 17:00	Entrepreneurial competencies <p>There are several competences that are associated with successful entrepreneurship. Some of the commonly cited include “risk assumption, initiative, responsibility, dynamism, troubleshooting, search and analysis of information, results orientation, change management and quality of work”¹. These competencies are key in helping individuals/teams in spotting and generating entrepreneurial opportunities and actively mobilizing resources to realize set targets and goals. For instance, the Entrepreneurship Competence Framework of the EU² groups 15 competences in 3 areas: ideas and opportunities; resources and; translation into action. This session of the will seek to enhance your entrepreneurial competencies needed to help you quickly spot opportunities, mobilize and deploy resources effectively and efficiently create value for others.</p> <p>Speakers/Lecturers</p>

¹ Lorena Robles and Marta Zárraga-Rodríguez (2015) Key Competencies for Entrepreneurship Procedia Economics and Finance 23 (2015) 828 – 832

² <https://www.oecd.org/cfe/smes/ministerial/documents/2018-SME-Ministerial-Conference-Parallel-Session-3.pdf>

17:00-18:00	Ideation with mentors
Tuesday – 21 February 2023 - Focus on Innovation and IPR	
10:00-12:00	Student presentations and pitches
13:00 - 17:00	Innovation and intellectual property <p>It is said that a firm has only two businesses: innovation and marketing, the rest in cost. Businesses, small or large, have to continuously innovate into order to remain competitive in a rapidly changing environment. Innovation may be in products (i.e. goods and services), marketing, organizational arrangement etc. There are various tools that you needed to help you manage your innovation process. In addition, you may also need to protect the different pieces of intellectual assets generated. This session will seek to help you plan and manage your innovation process, and assess the different intellectual property rights your innovation may need (e.g. tradenames, trade secrets, patents, utility models etc).</p>
17:00 - 18:00	Ideation with mentors

Wednesday, 22 February 2023 – Emerging Energy and Water Technologies

10:00-12:00	Students pitch their concepts and the technical challenges they wish to overcome
13:00 17:00	Emerging energy and water technologies This session will focus on emerging energy and water technologies and innovations likely to transform existing industries and practices, increase access and affordability as well as enhance the sustainability of the sectors. It may also include how emerging technologies to improve current practices and make them more efficient and reliable.
17:15-18:00	Ideation with mentors

Thursday – 24 February 2022 Bringing Your solution to market

10:00-12:00	Upscaling and automating your production process: key steps and standards. Moving from proof of concept or a few demonstration products to industrial production is often the “make or break” step in bringing your product to market. In most cases, the processes for bringing the product to market to meet the quality, volume, price, standards and other legal standards etc among others, if a challenge.
13:30-1500	Final pitches

15:00 – 1700	Break (Judges and mentors assess and select winning groups)
17:00 – 18:00	Closing session. <ul style="list-style-type: none">• Jean-Paul Adam, Director – TCND, UN ECA• Minister

Contact:

- Asfaw Yitna, Technology and Innovation Section, UNECA, Email: yitna@un.org
- Samuel Chigome, President, African Materials Research Society (AMRS) Email: schigome@africanmrs.net
- Martiale Zebaze Kana, Head Science Unit, UNESCO Regional Office for Southern Africa. Email: m.zebaze-kana@unesco.org