12th Quarterly Regional eConference of AfICTA
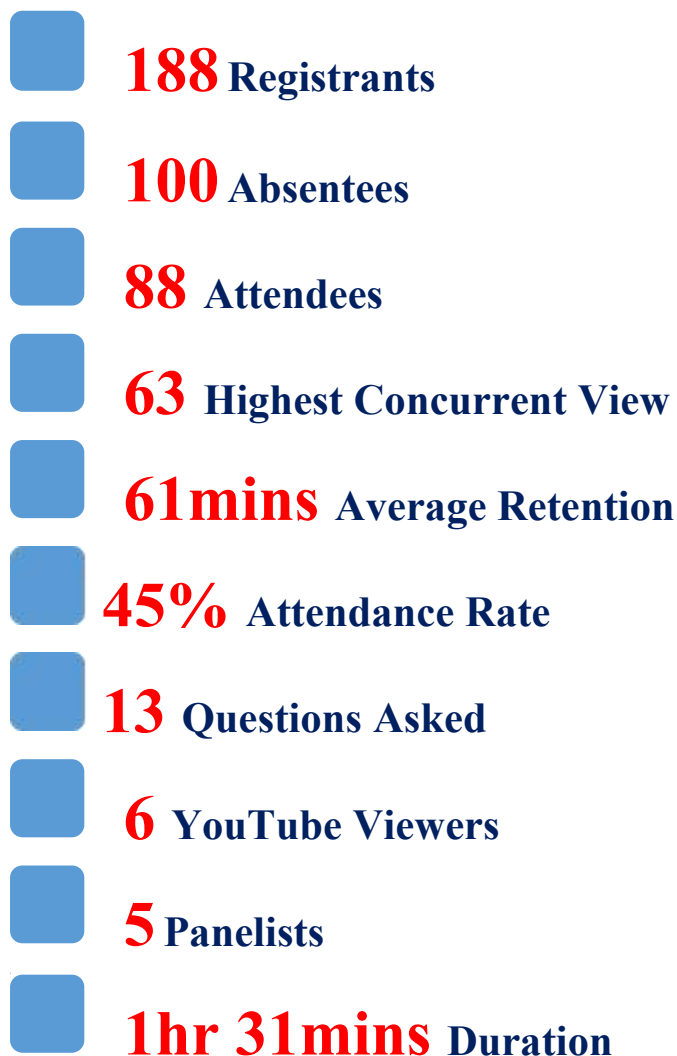

In Collaboration with

The threat posed by Electrical and Electronic Equipment (EEE) Waste, or e-Waste to our environment, survival of nature, and human beings is becoming alarming even as human beings increasingly adopt technologies as solutions in their various aspects of life. The more the adoption, the increase in the waste thereof yet without the proper arrangement for its recycling or disposal. According to the United Nations International Communication Units (UNITU), a record of 53.6 million metric tonnes (mt) of e-waste was disposed of in 2019, and only 17.45 million (mt) are formally reused and recycled, leaving the environment with the consequences and damaging effect of the rest of the figure.

The heart-troubling discovery, according to research, shows that with increasing economic activities in developing countries, the amount of e-waste disposed is estimated to reach 74 million mt by 2030. Hence, the need to have a solid policy plan and implementation to properly manage e-Waste and disarm the ticking time bomb should be prioritized. According to Wikipedia, e-Waste is illegally brought into African states... <u>Read more</u>

188 Registrants

100 Absentees

88 Attendees

63 Highest Concurrent View

61mins Average Retention

45% Attendance Rate

13 Questions Asked

6 YouTube Viewers

5 Panelists

1hr 31mins Duration

General Statistics

Table 1: Attendance Statistics

S/N	Description	Details
1.	Total Viewer	88
2	Max. Concurrent Viewer	63
3	Total Duration	91mins.
4	Average Retention	72mins

Table 2: Represented Countries

S/N	Countries	Registered	Attended	Absent
1	Benin	2	1	1
2	Cameroon	1	1	0
3	Côte d'Ivoire	2	0	2
4	Egypt	34	17	17
5	Ethiopia	5	0	5
6	Gambia	1	1	0
7	Ghana	9	2	7
8	Kenya	8	5	3
9	Kuwait	1	0	1
10	Namibia	1	1	0
11	Nigeria	107	52	55
12	Somalia	1	0	1
13	South Africa	11	6	5
14	Tanzania	1	0	1
15	United States	1	1	0
16	Zambia	1	0	1
17	Zimbabwe	2	1	1
		188	**88**	**100**

Table 3: Gender Statistics

Gender	Register	Attended	Absent
Male	153	74	79
Female	35	14	21

Chart 1: Attendees by Countries
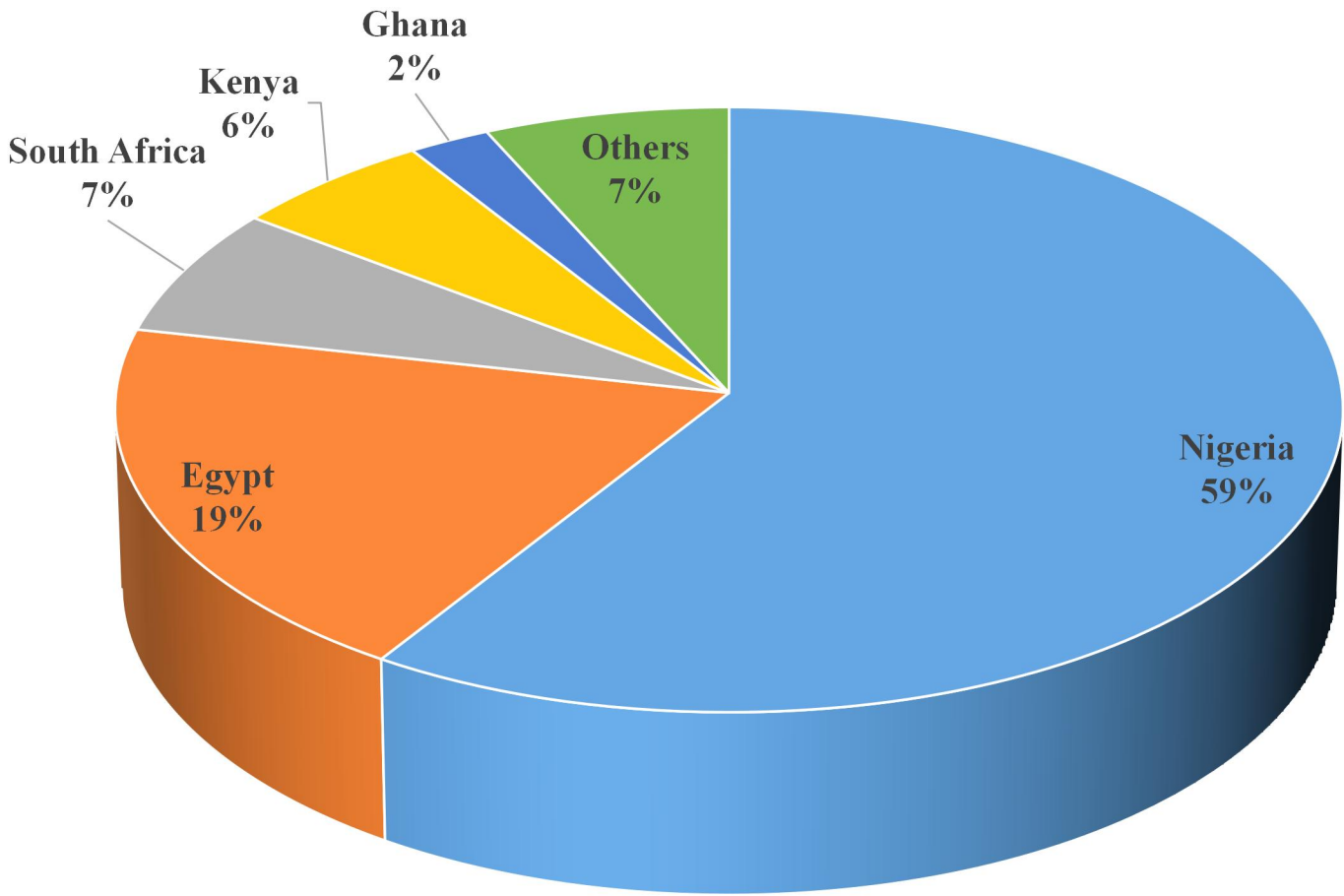
Country	Attendees
Nigeria	52
Egypt	17
South Africa	6
Kenya	5
Ghana	2
Others	6

Chart 2: Attendees / Absentees According to Countries
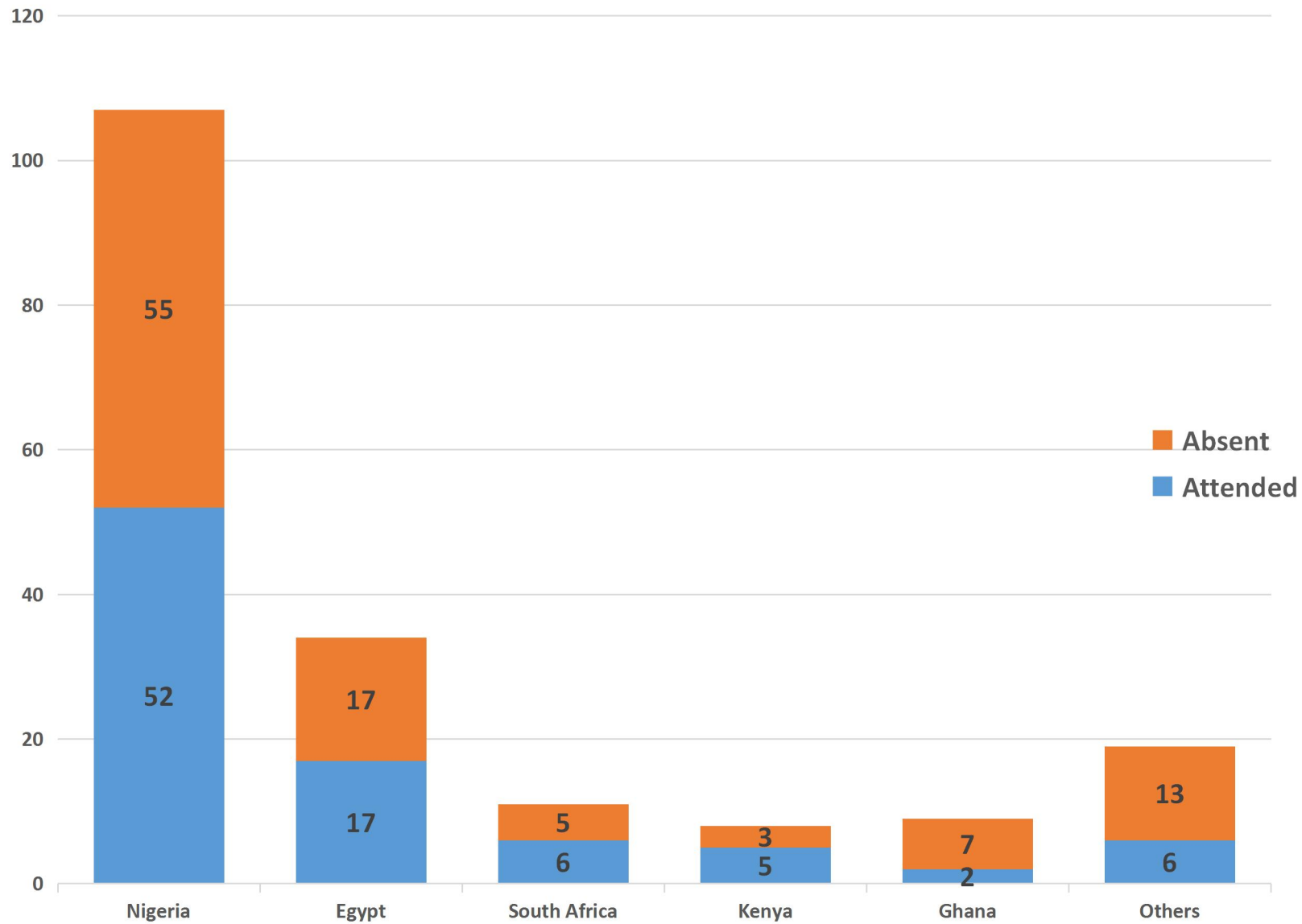
Chart 3: Average Retention
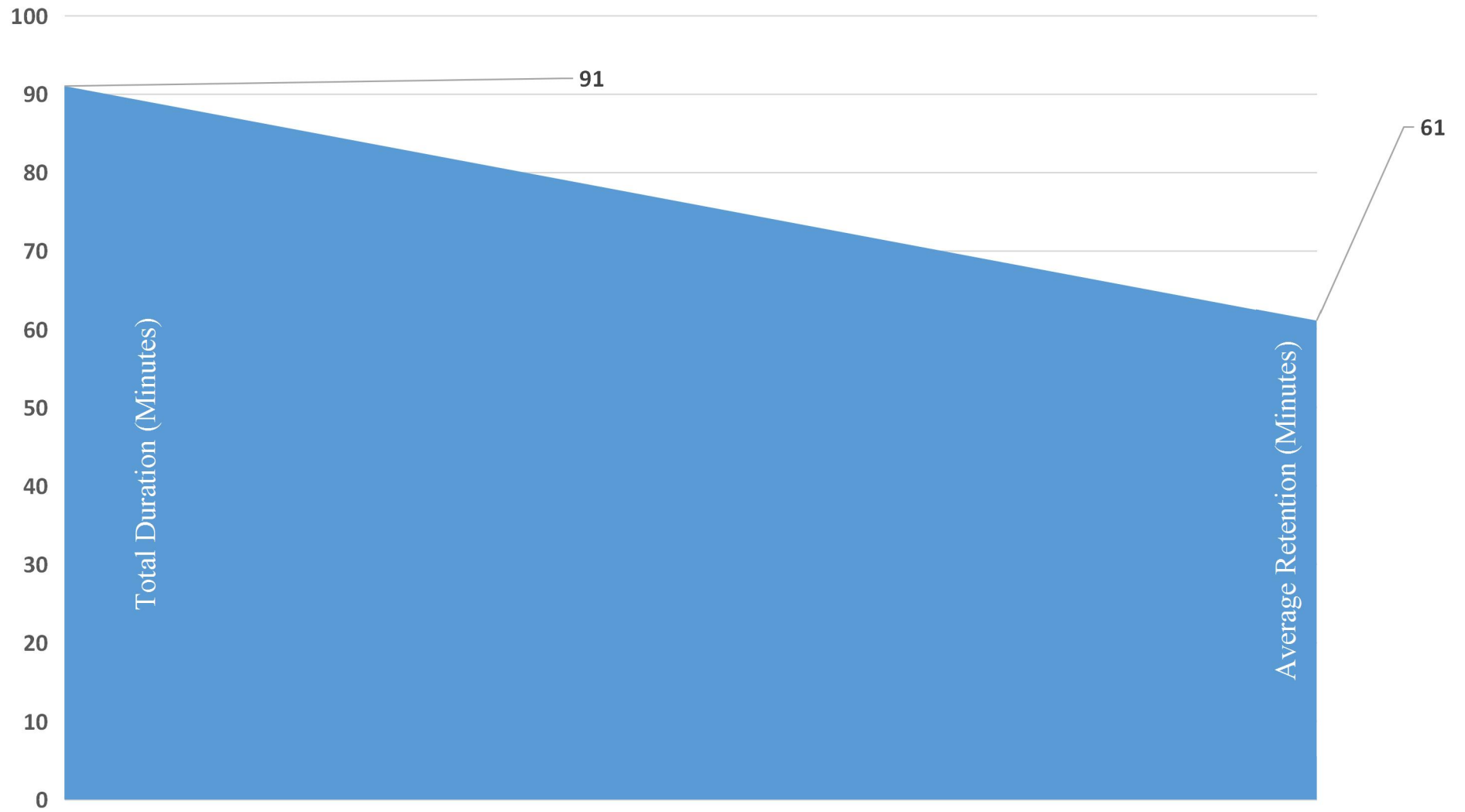
Chart 4: Gender Representation
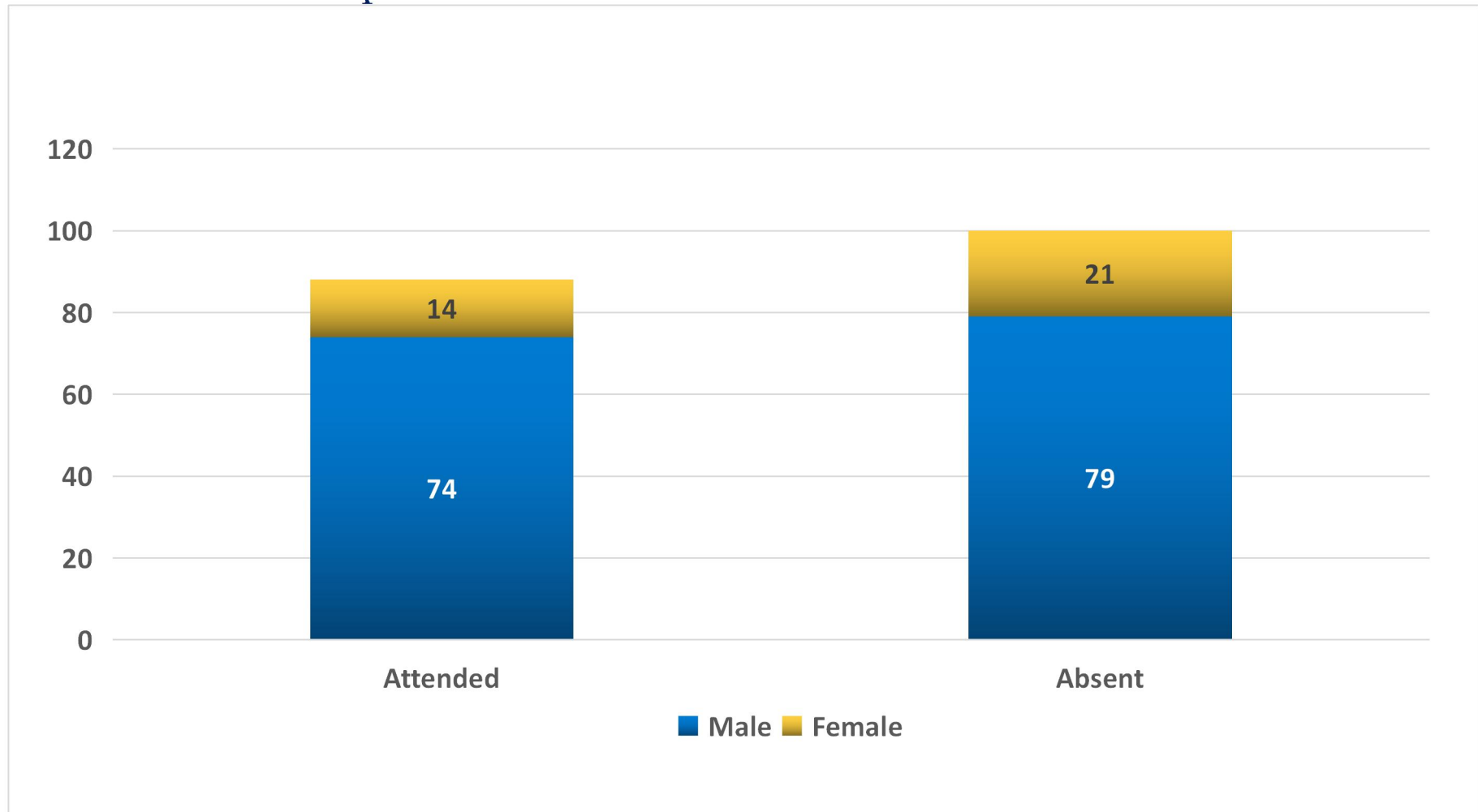
Notable Organizations

S/N	Organizations
1	Araba Technologies Ltd
2	Bayero University Kano
3	Bells University of Technology
4	Beta-Research
5	Centre for Information Technology and Development
6	Dignity Finance and Investment Limited
7	Dot-Engee
8	Edo State Emergency Management Agency
9	E-Governance and Internet Governance Foundation for Africa
10	Engineers For a Sustainable Egypt
11	Etisal International
12	Federal Inland Revenue Service Nigeria
13	Federal Ministry of Transportation Nigeria
14	Kecam Technologies Limited
15	Kenya Seed Company Limited
16	Kontemporary Konsulting Ltd.
17	Lagos State University of Education
18	Media Monitoring Services Nigeria
19	Ministry of ICT, Postal and Courier Services - Zimbabwe
20	Ministry of Technology and Digital Economy Sokoto
21	NACCIMA
22	National Information Technology Development Agency
23	National Lottery Regulatory Commission
24	National Mathematical Centre Abuja
25	Nigeria Customs Service
26	Nigeria Police Academy
27	Nigeria POST office
28	Nigerian Communications Satellite Ltd
29	Obafemi Awolowo University
30	Siyafunda Community Technology Ceter NPC
31	Technology Pro Egypt
32	Thomas Adewumi University Oko Kwara State
33	UNECA
34	University of Jos
35	University of Limpopo
36	Volontaire International
37	Women Be Free

Panelist Group Picture

Recommendations

1. It was recommended that digital waste management can help create a Sustainable and Circular economy. These can be enhanced through; the Government, Academia,Technical Community and Civil Society.

- Acamedia can help in the area of Research to develop innovative technologies and safe handling, recycling, and recovery of valuable materials from digital waste.
- Technical Community can help to promote digital waste management through collaboration between the technical community, academia, and governments in developing of sustainable product design standards.
- Civil Society should raise consumer awareness,advocate for stronger regulations,Improved recycling infrastructure,increase in transparency and accountability in the electronics industry
- Government can help in the area of Regulation and Policy Enforcement, Educating the people while also creating awareness.

2. Managing waste in a circular economy, it was recommended that Governments should support repair initiatives and develop reuse markets to encourage consumers to repair and extend the lifespan of electronic devices.
- In managing waste in a circular economy, it was also recommended that Extended Producer Responsibility,EPR programs should encourage producers to design products for easier recycling and recovery.

3. It was recommended that multi-faceted approach is needed to consider digital waste's impact on sustainability. Some key strategies were provided:
- Policy and Regulatory Measures. Policy on digital waste can impact on sustainability: by establishing comprehensive e-waste management legislation, Providing economic incentives to

encourage sustainable practices, Fostering international cooperation to address global digital waste challenges.
- Public Awaremess and Education: Awareness campaigns and education and research can help build a knowledgeable workforce and drive innovation in sustainable digital practices.
- The sustainable parlance on Sustainable development goals, SDGs on ewaste must be sustained.

4. To effectively manage E-waste and minimize its environmental impact, it was recommended that reducing and minimizing the adoption of sustainable consumption, avoiding impulse buying, and by extending product life span to reduce e-waste.
- For the purpose of Reuse And Repurpose: To minimize environment impact of E-waste can be achieve by donating, selling off old electronic devices by redistributing them, or upgrading them to extend their lifespan.
- It was recommended that before reclycling, personal data must be erased before recycling to protect privacy and prevent misuse.
- Recommendation on awareness and advocacy was provided by Educating others and supporting policy changes to promote responsible e-waste management.

5. To contol ewaste in a systematic way, it was recommended that there should be a reduction of green house gas by 12.1% and it should be an annually emmission reduction.
6. The Importance of digital sustainability regarding ewaste management. This can be achieve by using a responsible digital approach both with individuals and within organizations.
7. Lack of human associated e-waste can be attributed to lack of recycling infrastructure, low reclycling rate, enforcing regulations. Hence, it was recommended for the implemention of circular economic business model.

End of Document