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Ministerial Meeting on Enhancing Air Transport Connectivity and Growth in West Africa

Segment 4: Strategies and sectoral synergies required for air transport growth

The role of Innovation

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Sustainable Development Goals: our shared vision to end poverty, rescue the planet and build a peaceful world

Three pillars of 2030 Agenda: social, economic, and environmental sustainable development

Decade of Action: progress being made but not yet at the speed or scale needed; Decade of Action calls for accelerating sustainable solutions to all the world's biggest challenges



ICAO and the United Nations Sustainable Development Goals (SDGs)

Read more at: <http://www.icao.int/about-icao/aviation-development/Pages/SDG.aspx>

ICAO STRATEGIC OBJECTIVES

SAFETY

CAP/EFF

SEC/FAL

ECON
DEV

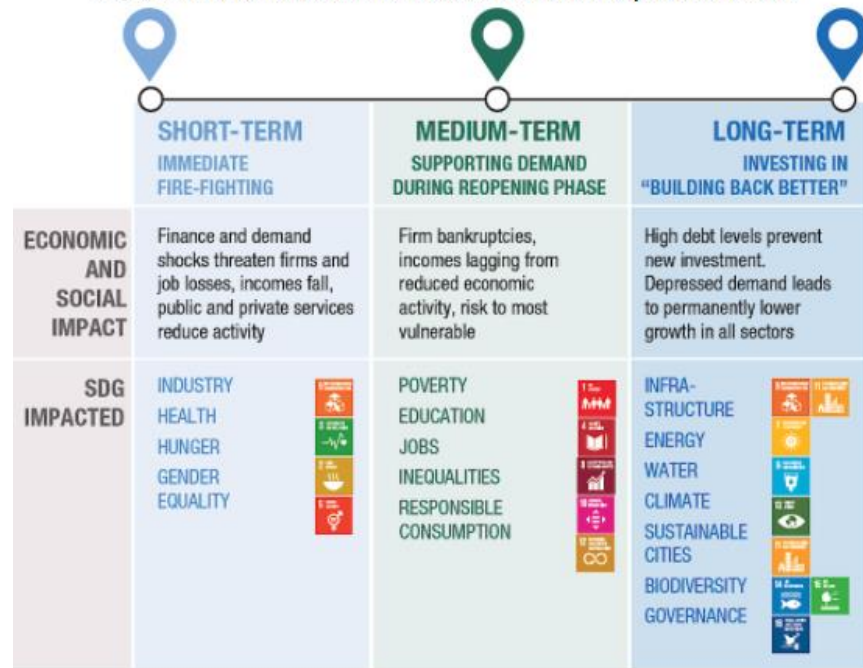
ENV

Goal	Description	SAFETY	CAP/EFF	SEC/FAL	ECON DEV	ENV
Goal 1	End poverty in all its forms everywhere				●	
Goal 2	End hunger, achieve food security and improved nutrition and promote sustainable agriculture	●	●		●	●
Goal 3	Ensure healthy lives and promote well-being for all at all ages	●		●	●	●
Goal 4	Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	●	●	●	●	●
Goal 5	Achieve gender equality and empower all women and girls	●	●	●	●	●
Goal 6	Ensure availability and sustainable management of water and sanitation for all					
Goal 7	Ensure access to affordable, reliable, sustainable and modern energy for all		●		●	●
Goal 8	Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all	●	●	●	●	●
Goal 9	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation	●	●	●	●	●
Goal 10	Reduce inequality within and among countries	●	●	●	●	●
Goal 11	Make cities and human settlements inclusive, safe, resilient and sustainable	●	●	●	●	●
Goal 12	Ensure sustainable consumption and production patterns				●	●
Goal 13	Take urgent action to combat climate change and its impacts	●	●		●	●
Goal 14	Conserve and sustainably use the oceans, seas and marine resources for sustainable development					
Goal 15	Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss					●
Goal 16	Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels	●	●	●	●	●
Goal 17	Strengthen the means of implementation and revitalize the global partnership for sustainable development	●	●	●	●	●



- COVID-19 hit on the eve of the Decade of Action for the SDGs, increased inequalities and exacerbated vulnerabilities
- Bolder steps needed for a systemic shift towards the Sustainable Development Goals
- Financing gap magnified by COVID-19 to achieve the SDGs remains concerning: OECD analysis shows developing countries face a shortfall of **USD 1.7 trillion in the financing** required to keep on track for SDGs

Infographic 2. The COVID-19 economic and social shock and its consequences for the SDGs



<http://www.oecd.org/development/global-outlook-on-financing-for-sustainable-development-2021-e3c30a9a-en.htm>



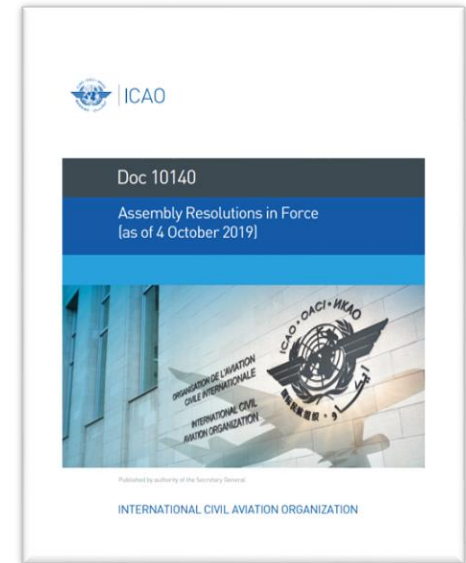
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ICAO and the evolving innovation landscape

- It is critical, more than ever, to identify and apply innovations in aviation that can help deliver on SDGs and address the challenges caused by the COVID-19 crisis
- Assembly Resolution A40-27 *Innovation in Aviation*, is a stepping stone and outlines a pathway for ICAO and its Member States to address new technologies and innovation in the industry





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Innovation as a catalyst for change

- Big data
- Biometrics
- Robotics
- Block chain
- Unmanned aircraft systems
- Augmented Reality
- Artificial Intelligence
- Hybrid and Electric planes





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Developed in 2019, as guidance for ICAO Member States to establish or enhance National Aviation Planning Frameworks, providing;

- a clear and comprehensive approach to support sustainable development of a State's national air transport system;
- guidance for public and private investments in the States aviation infrastructure;
- effective implementation of SARPs and policies;
- elevating the priority of the aviation sector into their national development plans and budget plans supported by robust air transport sector strategic plans and civil aviation master plans.





Civil Aviation Master Planning (CAMP) Course

- CAMP represents a very important planning and budgetary tool for facilitating development of civil aviation infrastructure and for supporting the growth of relevant economic sectors such as transportation, tourism, trade, and cargo;
- ICAO is working on a project to provide training for aviation master planners;
- National Aviation Planning Framework Guidance Material will serve as the basic signpost for this CAMP training project to be developed in 2021;
- CAMP Project will be funded through the China's South-South Cooperation Assistance Fund (SCAAF).



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- **Establishment of National Aviation Planning Framework**
- **Integrating a resilience aspect into planning and budgeting processes in light of the COVID-19**
- **Closer and continuous collaboration in order to capture synergies between aviation and other sectors such as tourism**
- **COVID-19 pandemic could usher in more innovations in the industry**



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Beijing

Asia and Pacific
(APAC) Office
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