



Humanitarian Aviation Environmental Summit Our Environmental Impact Now and Betterment

Henry Ogoye



Kenya Airports Authority

Mandate~ Aviation Infrastructure, Facilities and Services.

Pillars of Excellence~ B/G, O/E, Environmental Stewardship and TM.

Core Values~ innovation, teamwork, integrity and customer focus.

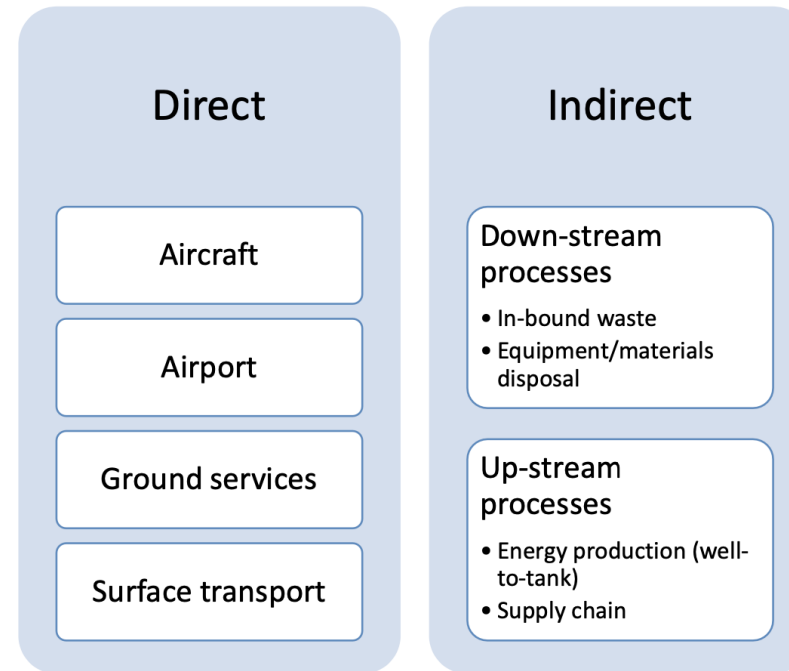
Facilities: JKIA, MIA, EIA, KIA et al



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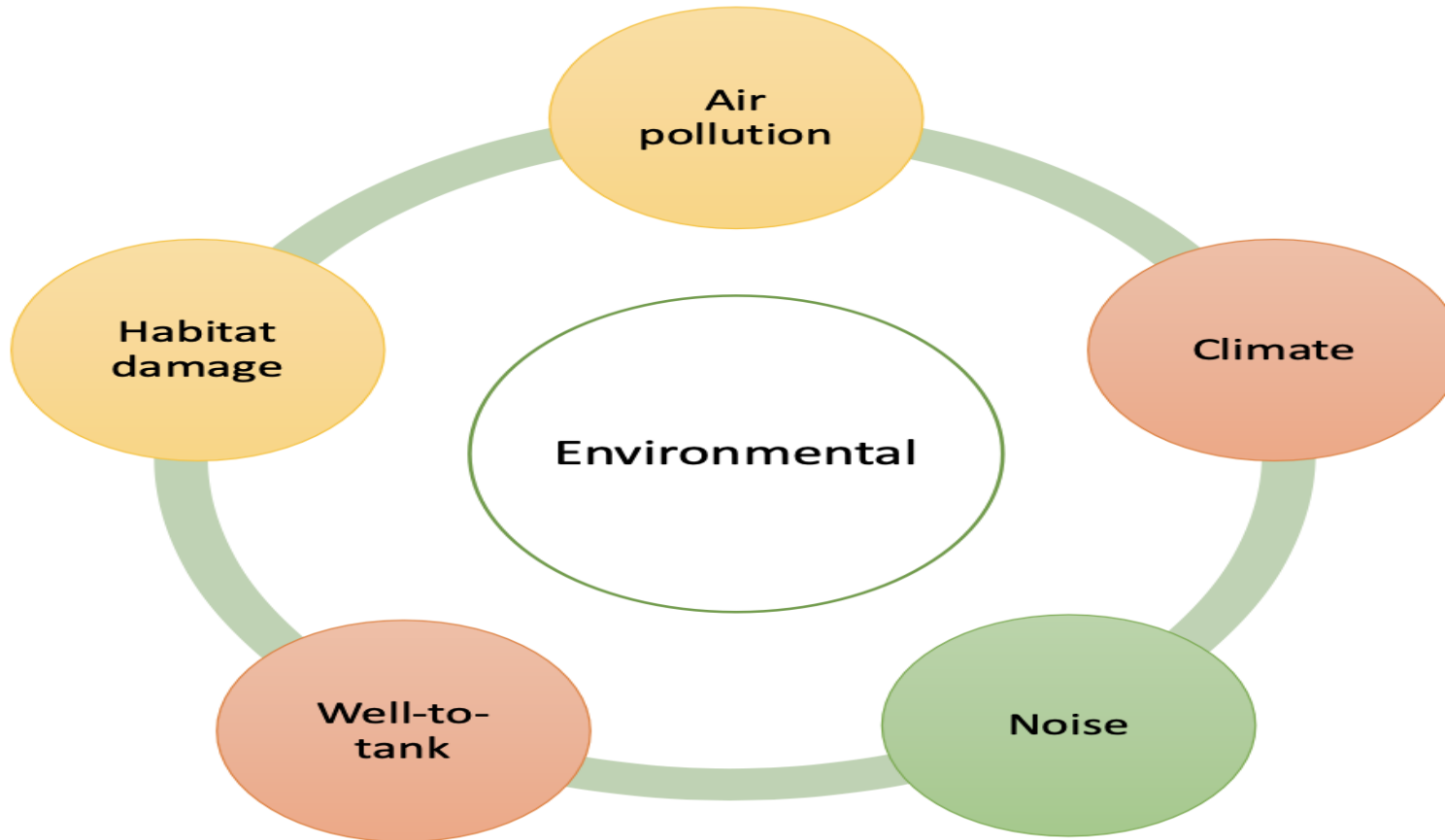
Environmental impact of commercial aviation

- Contribution to climate change
 - CO₂, NO_x, CH₄ and other emissions **from air and associated surface transport**
 - Other aircraft emissions at high altitudes (aka condensation trails or **contrails**):
 - Water vapour, sulphate, soot aerosols
- Other direct and indirect impact on local ecosystems and communities
 - Energy use, noise, air pollution, waste (water, materials)
 - Habitat damage (waste, run-off, vegetation clearance, local and migrating fauna)





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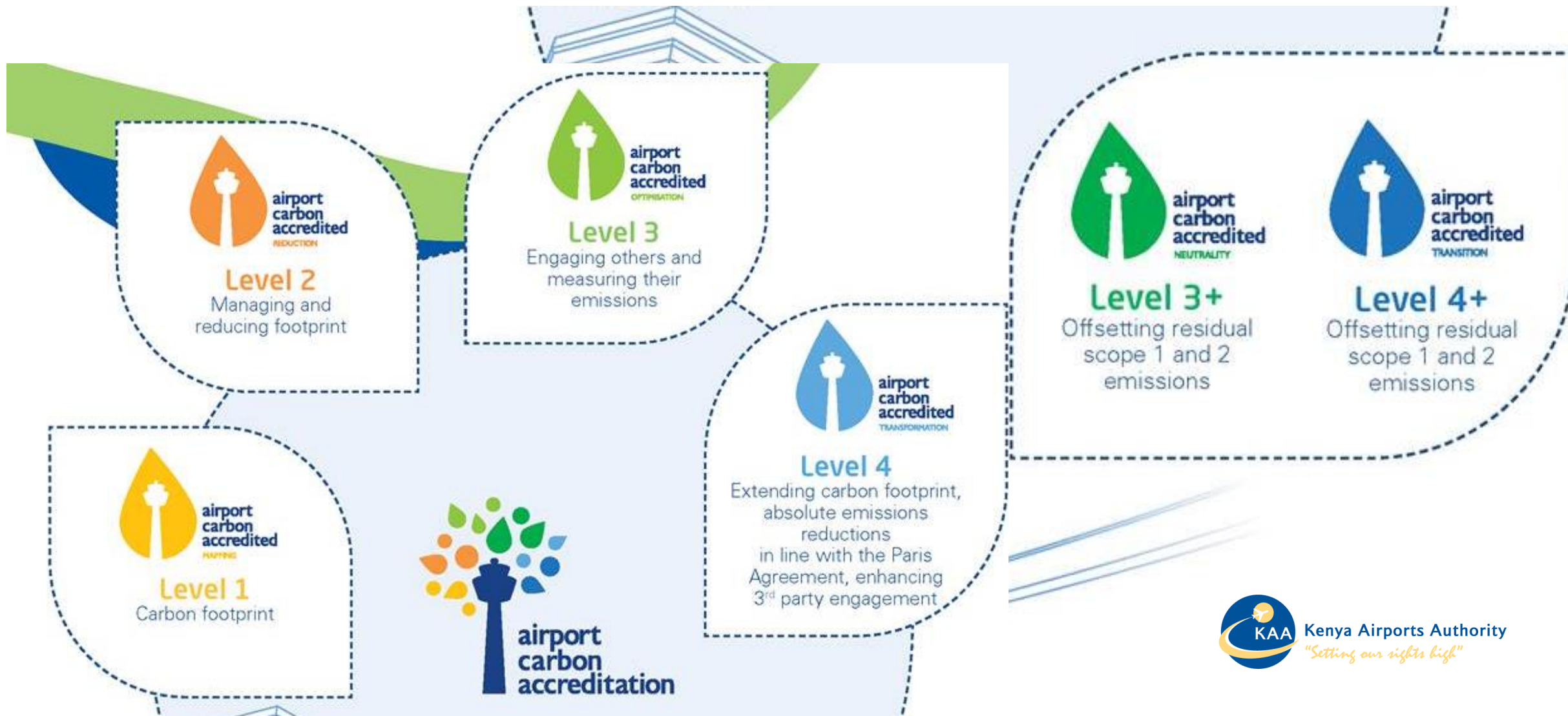
KAA Decarbonization Program

LEVEL 1	Mapping - Footprint measurement
LEVEL 2	Reduction - Carbon management towards a reduced carbon footprint
LEVEL 3	Optimisation - Third party engagement in carbon footprint reduction
LEVEL 3+	Neutrality - Carbon neutrality for direct emissions by offsetting
LEVEL 4	Transformation - Transforming airport operations and those of its business partners to achieve absolute emissions reductions
LEVEL 4+	Transition - Compensation for residual emissions with reliable offsets





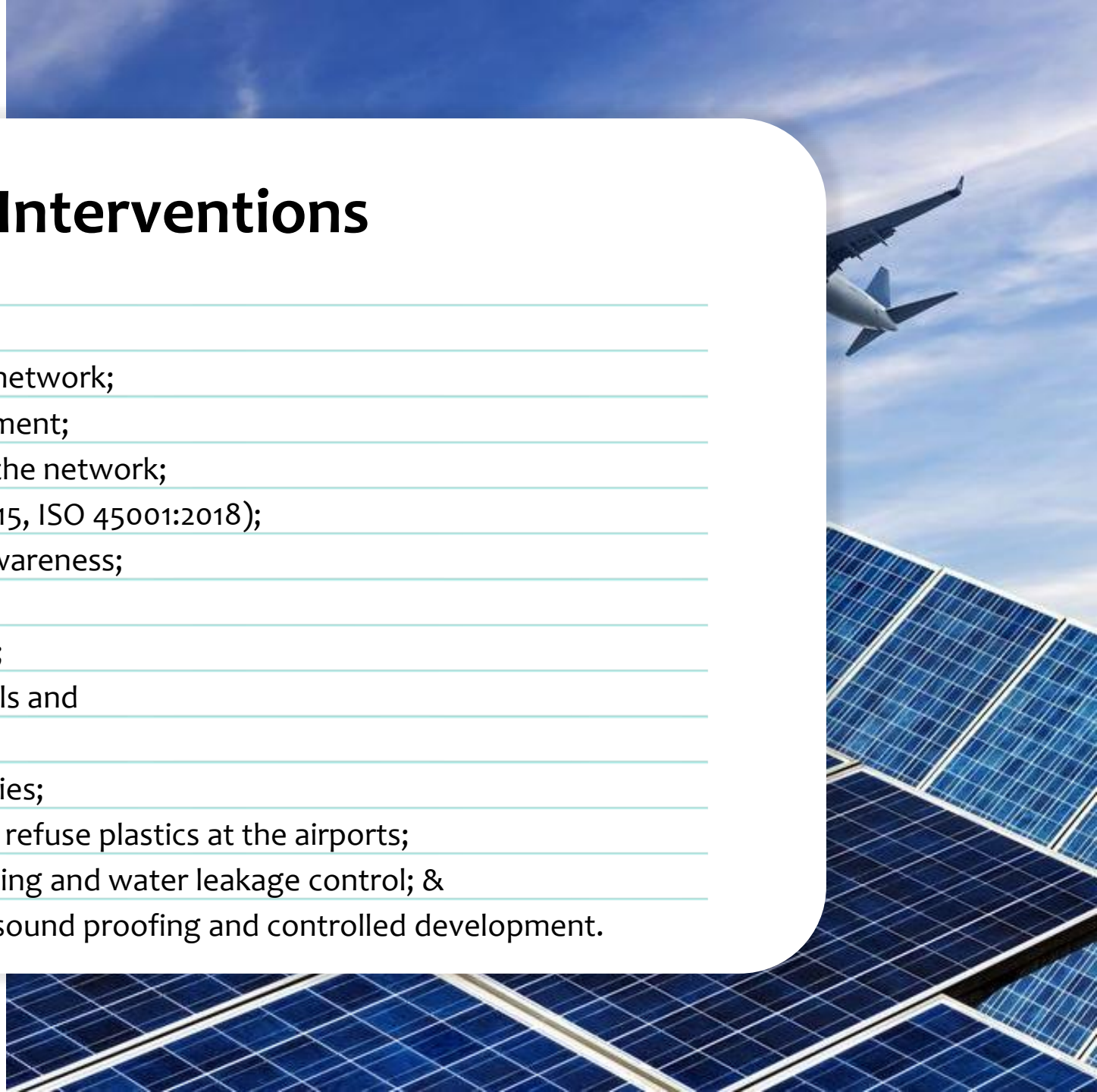
Six Levels of Accreditation





Key Decarbonization Interventions

1. Rain water harvesting;
2. Solar power coverage expansion in the network;
3. Migration to electric vehicles and equipment;
4. Expansion of afforestation coverage in the network;
5. EHS Management System (ISO 14001:2015, ISO 45001:2018);
6. Staff and stakeholder climate change awareness;
7. Power consumption management;
8. Regulations on conditions of use policy;
9. Migration to low carbon sustainable fuels and
10. Timely facility preventive maintenance.
11. Eco-friendly terminal and runway facilities;
12. Waste management- reduce, reuse and refuse plastics at the airports;
13. Water optimization- waste water recycling and water leakage control; &
14. Noise abatement- zoning, earth berm, sound proofing and controlled development.



Carbon Accredited Airports in Africa 2022

ABIDJAN PORT BOUET	●	BRAM FISCHER	●	BRAZZAVILLE MAYA-	●	CAPE TOWN (CPT)	●
CASABLANCA (CMN)	●	DAKAR BLAISE DIAGNE	●	ELDORET	●	ENIFDHA-HAMMAMET	●
GEORGE AIRPORT (GRJ)	●	JOMO KENYATTA	●	KING SHAKA (DUR)	●	KISUMU INTERNATIONAL	●
LA RÉUNION ROLAND	●	LIBREVILLE (LBV)	●	MARRAKECH (RAK)	●	MAYOTTE AIRPORT	●
MOI INTERNATIONAL	●	MURTALA MUHAMMED	●	PORT ELIZABETH (PLZ)	●	SSR AIRPORT	●
ST HELENA AIRPORT	●	TAMBO INTERNATIONAL	●				



TATINDA



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"Setting our sights high"