



ICAO
Air Cargo Development Forum
Zhengzhou, China
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Unmanned Aircraft Systems
Remotely Piloted Aircraft Systems } **Drones**

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What is UVS International

International non-profit association
Founded in 1998
Registered in The Netherlands
Operates out of offices in Paris, France
Board of Directors = Representatives from 24 Countries

FEDERATES ◆ **24 national RPAS associations in 22 countries**

REPRESENTS ◆ **4700 companies & organizations**
From **35 countries** on **all continents**

- ◆ **Drone Operators**
- ◆ **Drone Manufacturers**
- ◆ **Service Suppliers**

INVOLVEMENT **Long advocacy for the creation drone-related rules & regulations + standards at**

- ◆ **European level**
- ◆ **International level**



UAS/RPAS/Drones

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What We Are Talking About

Drones Exist



Aircraft	Lighter than Air	Not Power Driven	Free Balloon	
			Captive Balloon	
		Power-Driven	Airships	
			Not Power Driven	Glider
	Heavier than Air	Power-Driven		Aeroplane
			Seaplane	
			Amphibian	
		Rotorcraft	Gyroplane	
			Helicopter	
		Ornithopter (flapping wing)		



← Cargo potential

← Cargo potential

← Cargo potential

← Cargo potential

← Cargo potential

NOTE: Model Aircraft & Flying Toys are indeed also **AIRCRAFT** !!!



Aerial Operations

Drone Usage

Current Operations: ◆

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Governmental	MUTUALIZATION	Military		◆	NON MILITARY OPS	
		Non-Military	State Flights <i>Security related</i>	Customs Police Border Guards Coast Guard		◆ ◆ ◆ ◆
			Not State Flights <i>Incl. Safety related</i>	Civil Protection Fire Fighters National Mapping Agencies		◆ ◆ ◆
		Non-Governmental		Commercial Air Transport <i>(Transport of Persons & Freight)</i>		Scheduled Air Service Non-scheduled Revenue Operations Non-revenue Operations
		General Aviation	Corporate Operations Flight Training / Instruction Pleasure <i>(private non-commercial)</i>			
		Aerial Work	Commercial Non-Commercial <i>(incl. Corporate Operations)</i> Training / Instruction Other Miscellaneous	◆ ◆ ◆ ◆		
		Leisure	Model Aircraft	◆		
			Recreational Drones	◆		
		VLOS	Flying Toys	◆		

VLOS = Visual Line-of-Sight
 E-VLOS = Extended VLOS
 BLOS = Beyond Line-of-Sight
 RLOS = Radio Line-of-Sight
 B-RLOS = Beyond RLOS



Professional Drones

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TRANSPORT - FREIGHT



Drone Delivery Canada
Canada



Professional Drones

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TRANSPORT - FREIGHT





Professional Drones

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TRANSPORT - PERSONS



Vahana - Airbus, Europe



CityAirbus - Airbus, Europe



PopUp - Airbus, Europe



Volocopter, Germany



Uber, USA



Lilium, Germany



Surefly - Workhorse, USA



Cora - Kitty Hawk, USA



Ehang 184 - EHang, China



World Food
Programme

WFP Overview

Comparative Advantage

- Largest humanitarian agency in the world
- Decades of Aviation Experience, Lead - Global Logistics Cluster and Emergency Telecom Cluster
- Common Services Platform for Aviation & Logistics

RPAS/UAS Initiatives

- RPAS Cargo Delivery – Coordination with ICAO, IATA & CAAs for RPAS with > 500 kg payloads (optimal 1.5 MT) in the area of operations.
- UAS Coordination Cell (WFP Aviation, Aviation Safety and IT)

Footprint

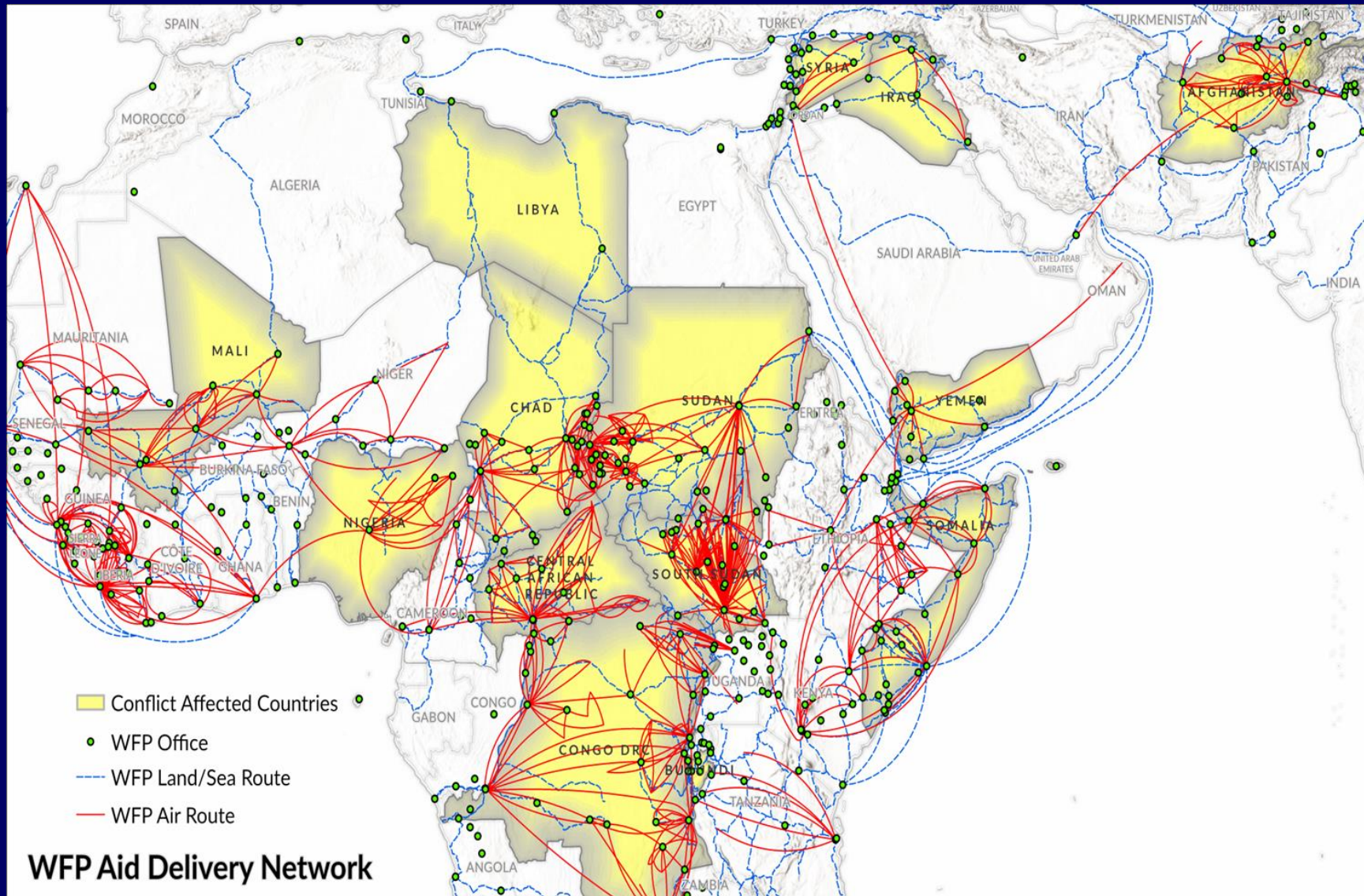
- 83 Countries, 6 Regional Bureaus, 15 Aviation Field Operations
- 2017: 328K Pax, 34K MT of Cargo, 3,079 Food Airdrops 80K MT

SAVING
LIVES
CHANGING
LIVES



World Food Programme

Opportunities for Humanitarian RPAS Air Cargo Ops



SAVING LIVES
CHANGING LIVES



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