



ICAO

UNITING AVIATION



# ICAO Technical Cooperation Bureau Aerodrome Planning Assistance

**Matthias Warmbold**

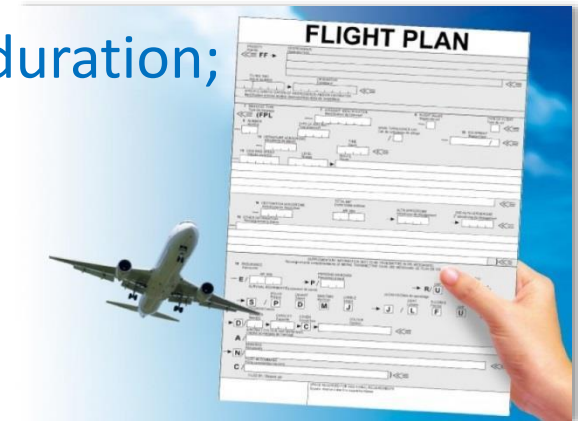
*Senior Field Project Officer, Technical Cooperation Bureau*

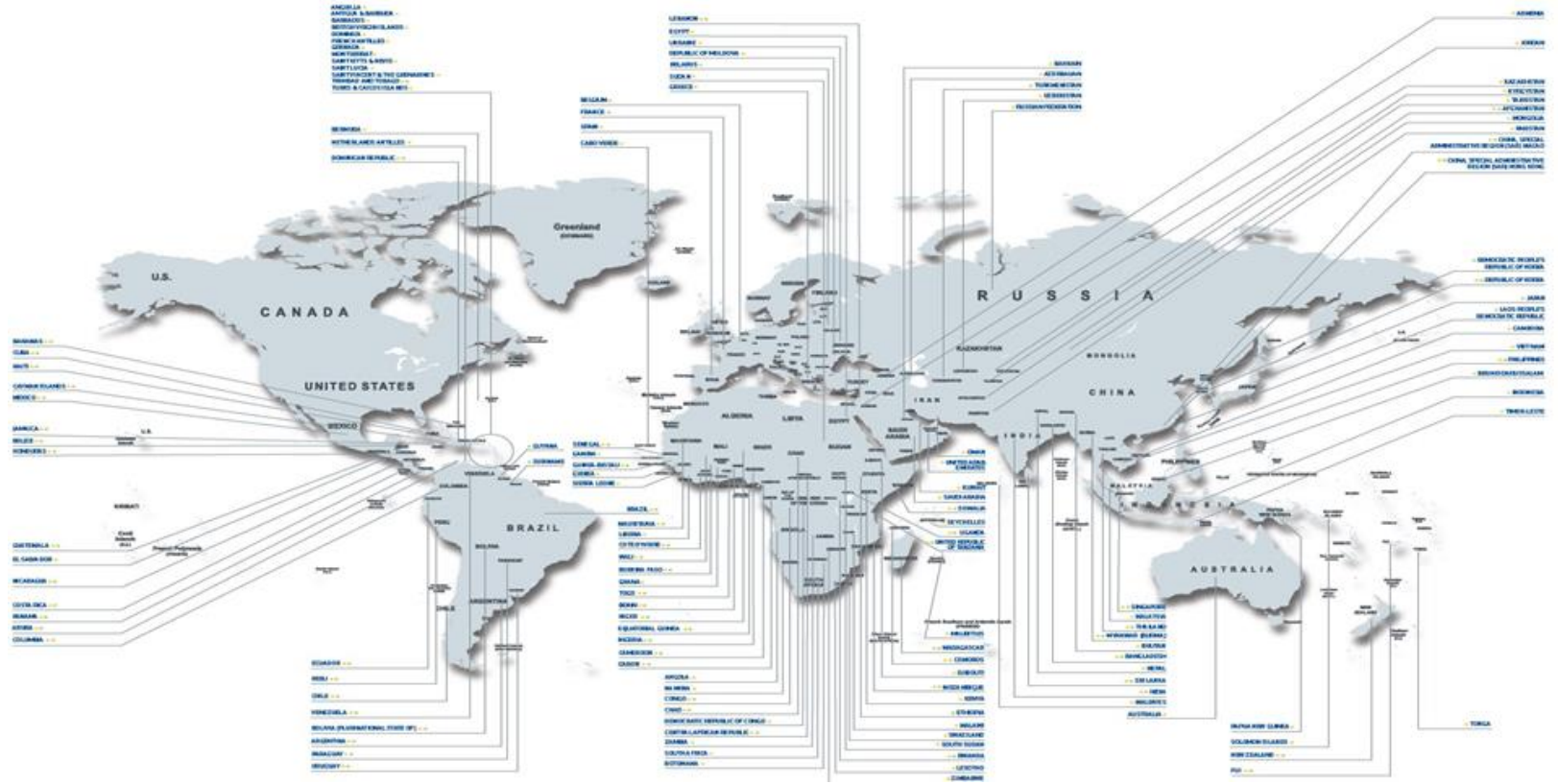
12 September 2018

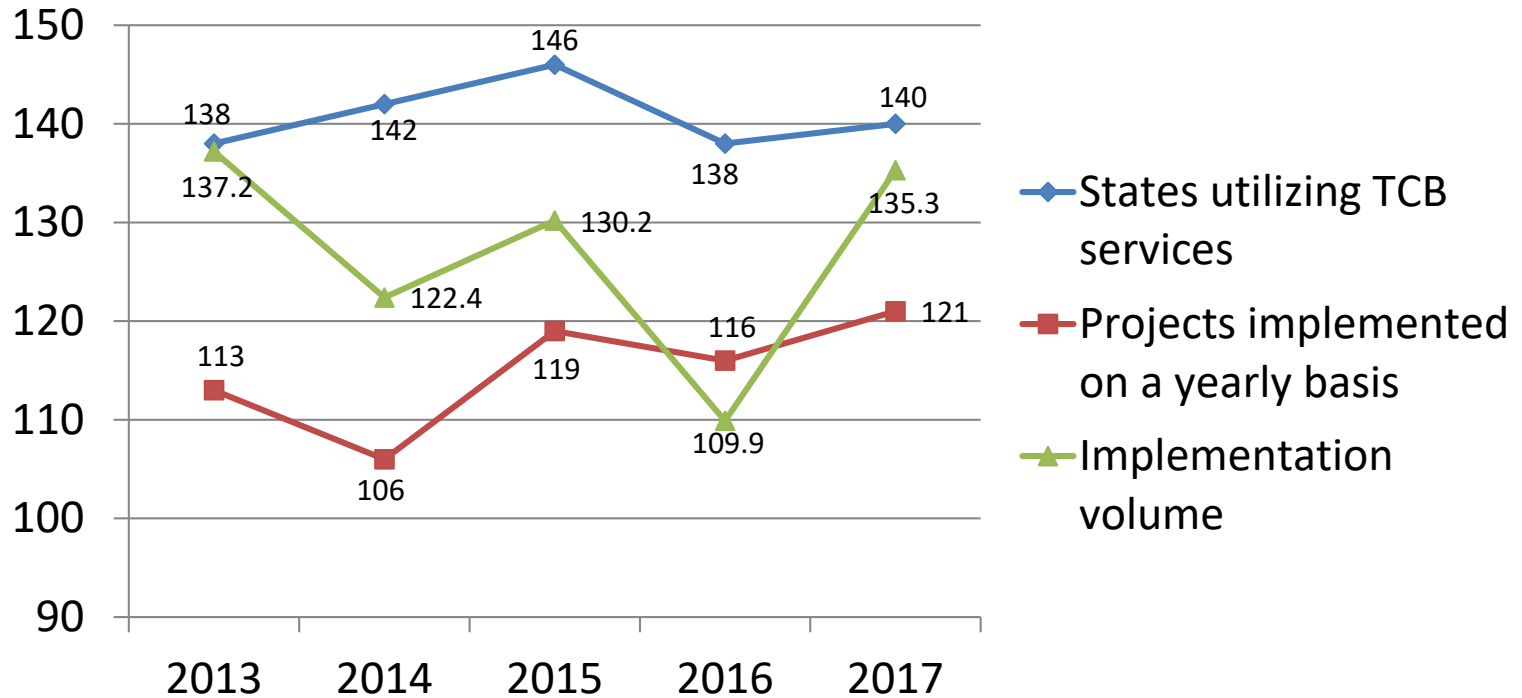




- Non profit nature and technical compliance to standards;
- TCB is financed through its projects and NOT Member States;
- Economies of scale, transparent competition, sharing costs amongst partners;
- Flexibility in project scope, structure, and duration;
- Rapid Implementation;
- Low costs due to the UN pay scale.

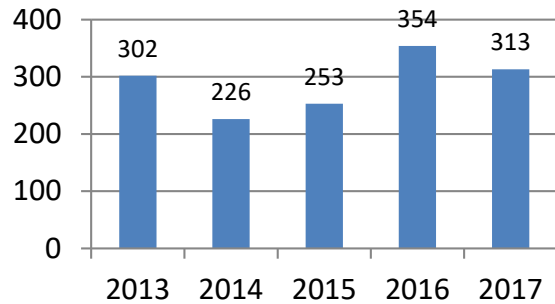




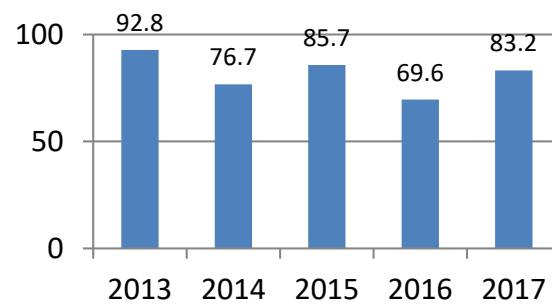




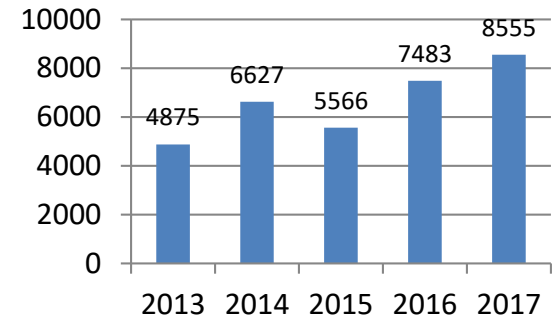
### Recruitment of International Experts



### Procurement (in million USD)



### Fellowship and In-country training





- Civil Aviation Master Plans
- Feasibility Studies/Site Selection Studies
- Airport Master Plans
- Turn-key Airports fully certified
- PPP Agreements, Concession Agreements
- Project Management and Oversight
- ORAT, Maintenance, Rehabilitation
- ICAO SARPs compliance reviews





## Airport Expertise

### Airport Experts

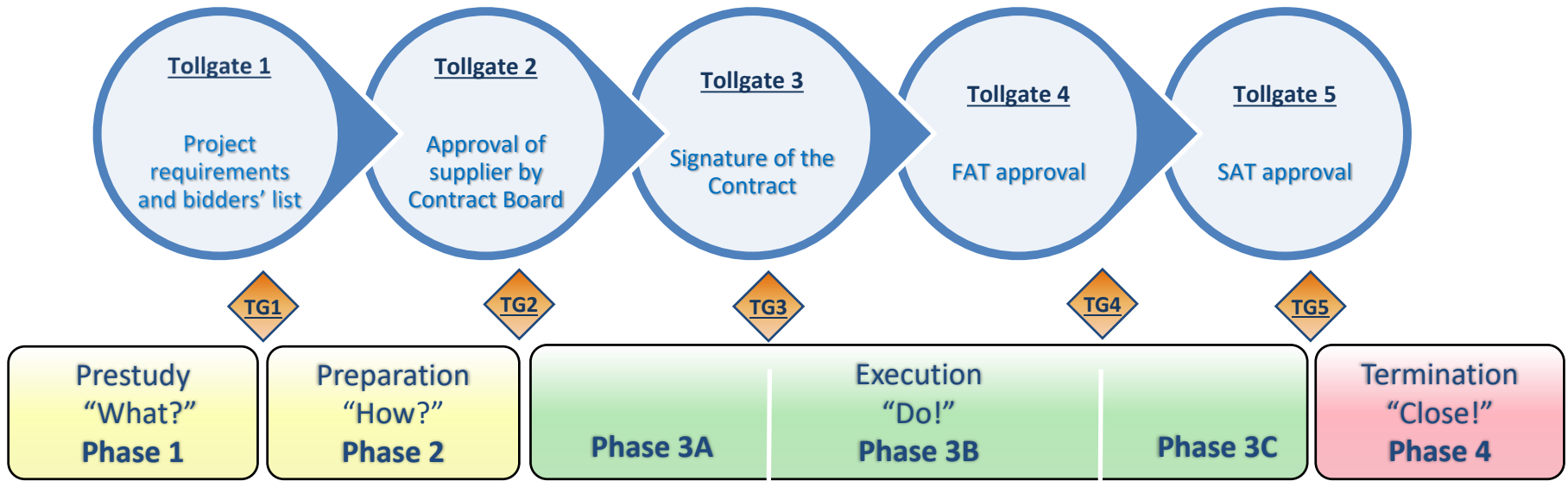
- ✈ Architect
- ✈ ARRF Expert
- ✈ Cargo Expert
- ✈ Certification Expert
- ✈ Civil Engineer
- ✈ Civil Aviation Master Planner
- ✈ Electrical Engineer
- ✈ Electro-Mechanical Engineer
- ✈ Facilitation Expert
- ✈ Financial Expert
- ✈ Forecast Expert
- ✈ Installations Expert
- ✈ Master Planner
- ✈ Operations Expert
- ✈ PPP Expert
- ✈ Safety Expert – RWY Friction
- ✈ Security Expert
- ✈ SMS Expert
- ✈ Wildlife Management Expert



## Airport Equipment and Services

- ✈ Access Cards
- ✈ Airport Tower refurbishment
- ✈ Baggage Handling System
- ✈ Design and construction of a Remote Cargo Apron and related facilities
- ✈ Firefighting and Rescue Equipment
- ✈ Diesel Generators
- ✈ Installation of EDX-RX systems
- ✈ IT security software licenses
- ✈ Jet Fuel Tanks
- ✈ Design and Construction
- ✈ Machine Readable Passport Equipment
- ✈ PBB Maintenance
- ✈ Pavement Maintenance
- ✈ Waste Thermal Treatment Plant
- ✈ Software and Training for the Smart Systems Upgrade
- ✈ Repair and overhaul of X-Ray
- ✈ Trace and threat detector





**Tollgate**  
A defined point at which formal decisions are made about continuation of the project





## Airport Training

- ✈ Accessibility to Persons with Disabilities  
Reduced Mobility
- ✈ Aerodrome Certification
- ✈ Collaborative Decision Making
- ✈ Corporate Responsibility in Airports
- ✈ Aerodrome Data Training
- ✈ Airport Financials
- ✈ Airport Emergency Response Planning
- ✈ Green Airports
- ✈ Workshop
- ✈ Airport Management
- ✈ Aerodrome Manual Content
- ✈ Airport Planning
- ✈ Aerodrome Standards
- ✈ Airport Security Programme





→ Signature of  
**Management Service Agreement (MSA)**  
**Project Document**

Experts, Procurement, Training

- **Transfer of funds** to ICAO TCB
- **Selection** of Experts / Tender and Selection
- Assignment on-site / FAT, SAT

NOTE: MSA does not create any obligation to signatory.







- Technical expertise (TCB Roster, ANB, ATB, Regional Offices)
- Global experience (>60 years, >150 States)
- Non-profit (costs + min. overhead)
- Results (SARPs compliance, capacity, sustainability)
- Solutions tailored to needs (flexible projects)
- UN Agency (impartial, discreet, partner)





State	Project
Argentina	Site selection study for two airports
Mexico	Support for the New Mexico City International Airport
Paraguay	Assistance for the modernization of Silvio Pettirossi International Airport
Peru	Preparation of 7 Airport Master Plans
Saint Lucia	Assistance in conducting an aeronautical study for Hewanorra International Airport
Uruguay	Preparation of a Civil Aviation Master Plan



- Can TCB work with civil airport authorities or service providers? **YES**
- Are there any limitations, e.g. scope, size, duration for any project?  
**NO**

