1. Customs Chemists

Training for Customs Chemists (National Level)

Career path development
- Chemical analysis – highly skilled area of customs work
- Accumulation of relevant knowledge throughout a chemist's career

Recruitment
Scientific expertise (Chemistry, agriculture, engineering, pharmaceutical science, etc.)

Job appointment
Related job families (Chemical analysis, classification, customs clearance, investigation, etc.)

Training
OJT
CCL training programme

Job appointment
Career path development as experienced chemists PLUS

Training for Customs Chemists (National Level)

Training Programme
(Central Customs Laboratory (CCL))

Year 1
1M: Introductory training
→ Basic analytical skills
11M: Lab rotation
→ Gain familiarity
   with the three labs

Year 2
Practical analysis training
→ Expertise development

Opportunities to gain expertise
- Tutors from CCL
- External resources – lab equipment manufacturers, lab exhibitions, the National Research Institute of Police Science
- Annual customs chemists' conference

WCO RCL Professionals Programme
(HR development at intl. level)

Week 1
Theoretical study at the WCO

→ Enhance each trainee's tariff classification abilities
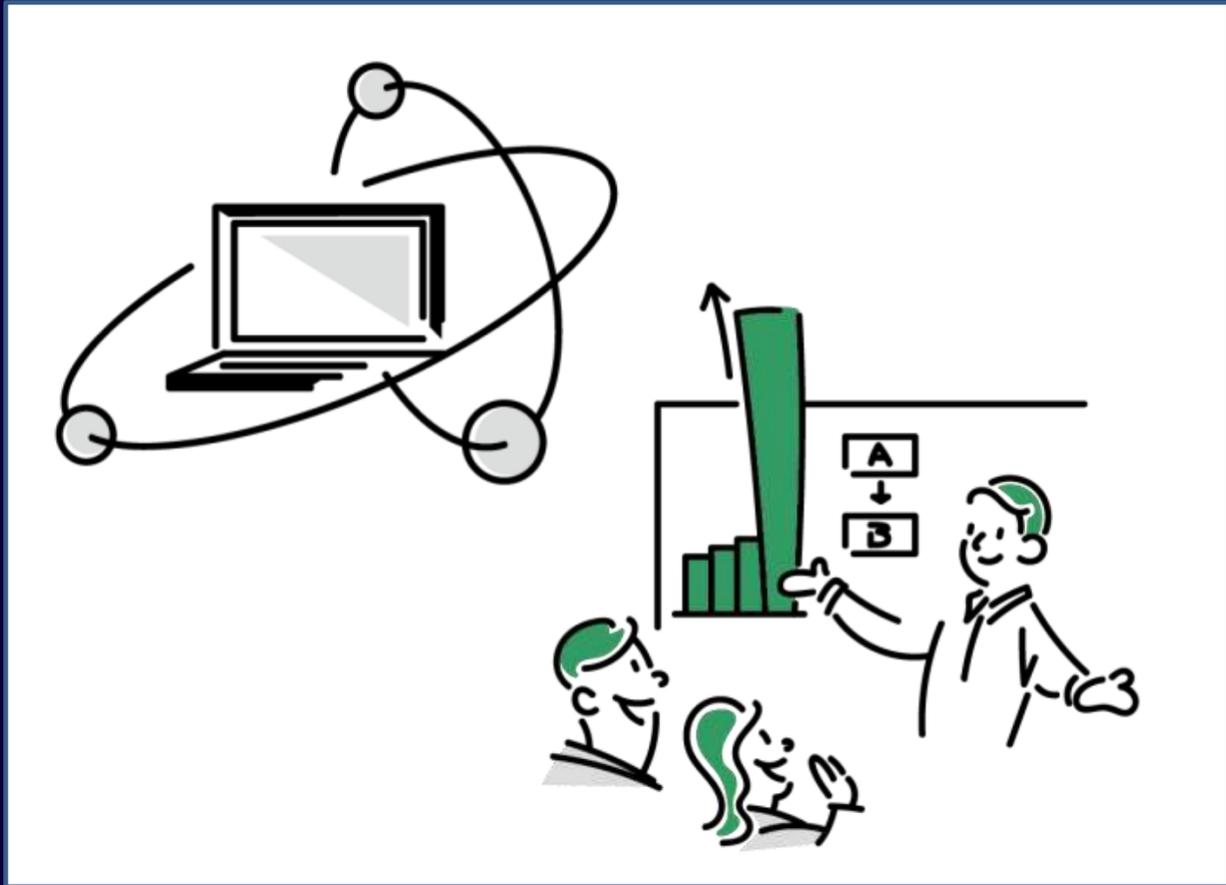(Prerequisite for chemical analysis for classification purposes)

Week 2-7
Practical study at the CCL in Japan

→ Improve each trainee's analytical abilities

→ Communicate closely with tutors in the labs

→ Address any challenges each trainee may have

Flexible content tailor-made for each trainee!

2. AI literacy/ Data Scientists

'SMART Customs' Initiative

Medium to long-term Vision for Customs Administration

Solution
Ensure more appropriate and prompt customs clearance by providing solutions to improve compliance and convenience

Multiple-**A**ccess
Expand and strengthen information sharing with relevant agencies and trade-related businesses

Resilience
Maintain and develop customs administration in preparation for changes in social structures and disaster risks

Technology & **T**alent
Actively incorporate AI and other cutting-edge technologies
Train personnel, review our operations, and improve the work environment

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Development of AI/data science literacy

Customs Operations × **Cutting-edge Technologies (AI, data science, RPA, etc.)** → **Advanced Enforcement**

Understanding	Proper utilization	Analysis, development	Strategy, system building

Basic - Intermediate level	Practical, Advanced level (practical knowledge, skills)	Management level	Knowledge/skill level

Recruit (graduates)	Recruit (experienced professionals)	Human Resources Development

- Data Science Training (Basic to Intermediate level)
- Data Science Training (Advanced level)
- Training for 'Data Scientists' in Japan Customs

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Journey towards 'SMART Customs'

Top level commitment
on the value of
- AI, big data analysis
- Use of technology

Deepening & widening its scope
- work with vendors
- IT expert recruits

Use of tech as corporate agenda
- 'SMART Customs'
- Action Plan

Institutionalisation of awareness
- Project Teams at HQs
- Specific projects

Identified need for professionalism
- Training structure (internal & external)

Further commitment
- Reinforced corporate structure (HQs, regional)

Key success factors
- Top level commitment
- AI & tech positioned as core components of the corporate agenda
- Strategic human resource management (recruitment, training structure)
- Expertise from external experts, academia

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Thank You