



XXVII FIG CONGRESS

11-15 SEPTEMBER 2022
Warsaw, Poland

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Geospatial excellence
for a better living

LAS Training Experience in Colombia (South America): Achievements, Challenges and Opportunities

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Strengthening human capital and knowledge management

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LAS Training Experience in Colombia (South America): Achievements, Challenges and Opportunities



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Cooperación Económica y Desarrollo (SECO)



Agencia de Implementación
bsf swissphoto

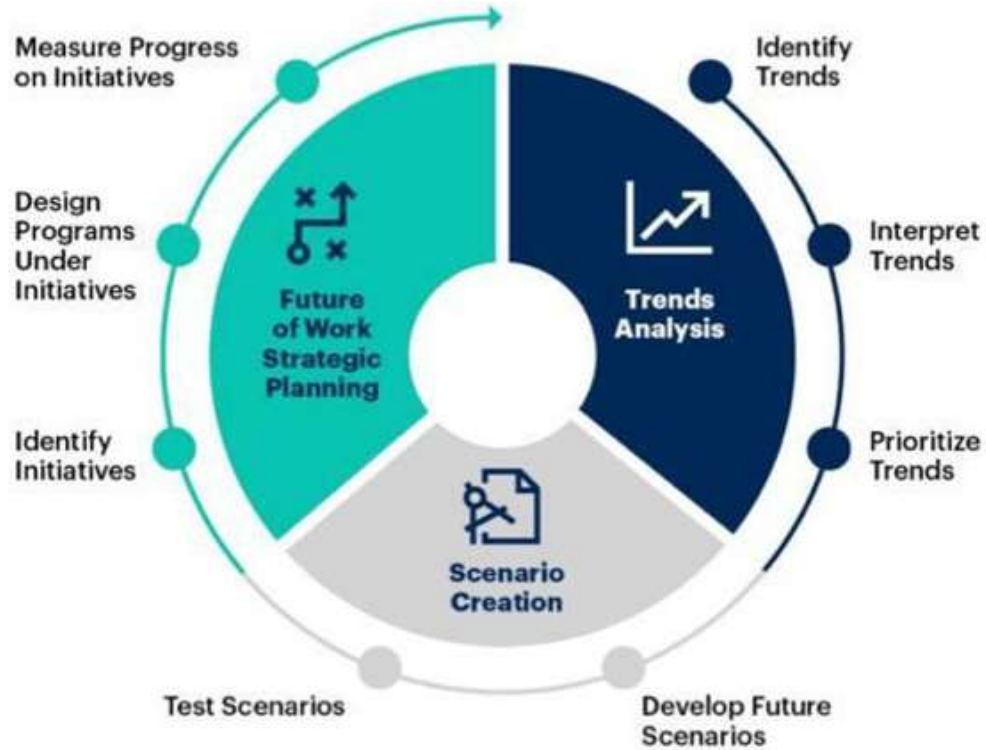


Agenda

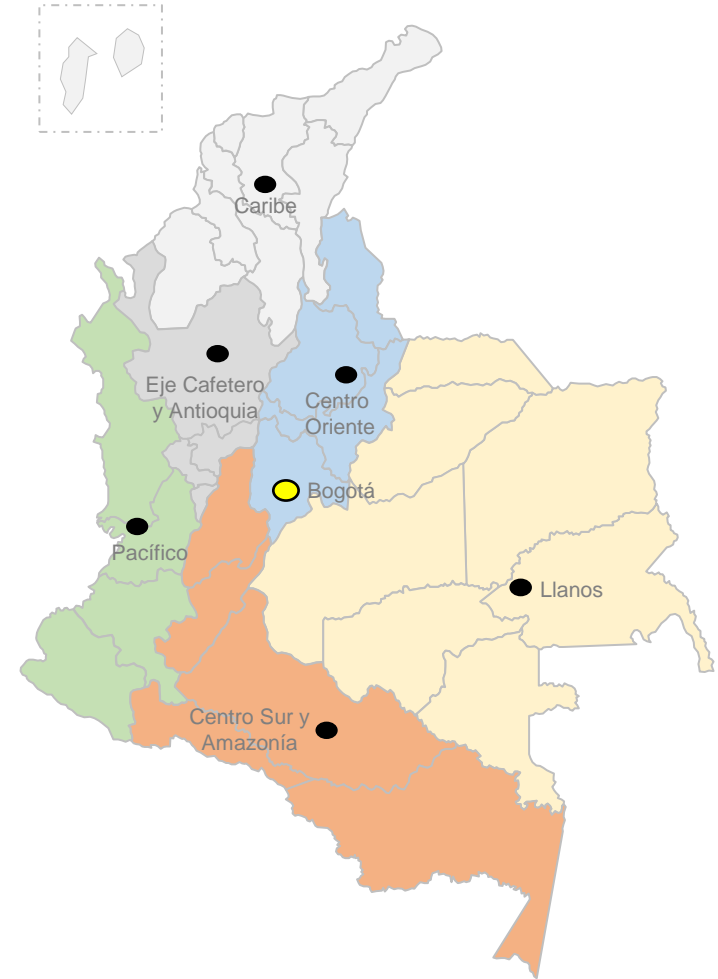
1. Land Administration System (LAS) Training Roadmap
2. Milestones of the Blended Learning LAS Model in Colombia
3. Strategy to Close Skill Gaps for a New LAS in Colombia
4. LAS Human Capital Available
5. Next Steps



1. LAS Training Roadmap Principles



Crafting a Future of Work Strategy (2022) by Gartner



1. LAS Training Roadmap

Concept

1. LAS: Public Policy
2. LADM-COL Standard & Tools
3. Training Model & Knowledge

Design

1. LAS Meaning
2. Innovative Technical Approach
3. Training

Testing

1. Governance for Public and Private Entities
2. Software Solution for Models Architecture
3. Strategy to Close Skill Gaps for a New LAS in Colombia in the National Educational System

Release

1. LAS New Partners
2. New Technologies
3. Creating a Culture of Learnability

2. Milestones

New Land Administration



2015

Switzerland Immersion

Visits:

- ~50 Public Workers
- Papers & Teaching Materials
- Traditional Training Activities

2019



CONPES



3859 (Jun 2016)

3951 (Nov 2018)

3958 (Mar 2019)

4007 (Oct 2020)

National Strategy to Close Skill Gaps

- Strengthened Human Capital
- Knowledge Management



2020/21

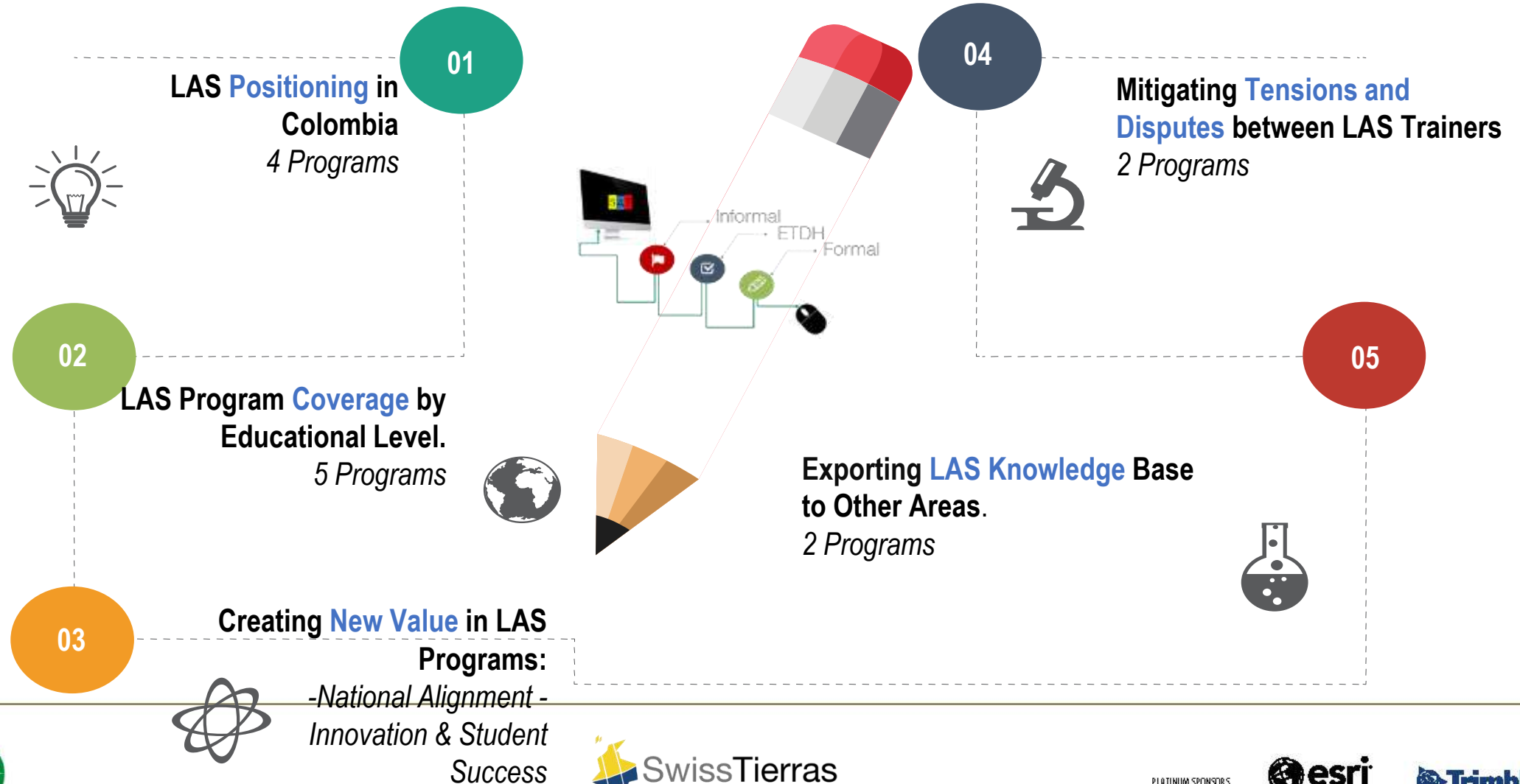
- Education Institutions
 - Blended Curricula & Syllabus
 - Events to Socialize Public Policy Findings
- CAS - Institute of Geomatics - FHNW
- SENA as Strategic Partner
- Academic and Professional Articles
 - ST Colombian Team
 - Switzerland Technical Support
- Online Courses – Moodle LMS

2024

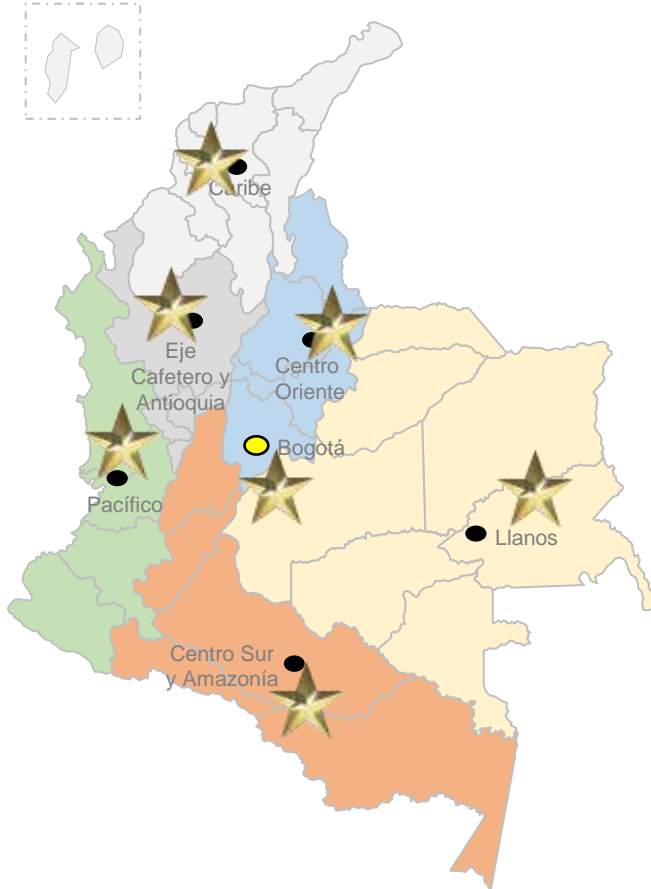


KNOWLEDGE
TRANSFER

3. Strategy



4. LAS Human Capital Available



- ~3.000 people trained by SwissTierras (blended learning) + Programs in progress
- **LAS Training Governance:** Colombia's National Planning Department with National Qualifications Framework (NQF)
- **Formal Level (Higher Education)**
 - ✓ **Undergraduate Level:** 1 Internship (6 months) – Universidad del Valle
 - ✓ **Graduate Level:** 1 Elective (Major & Masters) – Universidad de Los Andes
1 Elective (Masters) – Universidad del Cauca (in progress)
 - ✓ **Continuous Education:** 1 CAS – Public University, Private University, and FHNW
1 Certificate – Universidad del Valle
1 Certificate – Universidad de Cartagena (in progress)
1 Certificate – Universidad Santo Tomas (in progress)
- **Non-Formal Level (Education for Work and Human Development)**
 - ✓ **SENA:** 1 Internship (6 months)
~ 5 Trainer of Trainer Classes
- **Informal Level (Short term class)**
 - ✓ **SwissTierras:** Colombian LAS Authorities, private Corporations and Entrepreneurship Companies

5. Next Steps

Knowledge Transfer

- Academic Events
- Papers and Presentations

Informal Education Level

- Portability of Classes
- Creative Commons Academic Content

Formal Education Level

- Link Efforts with LAS (NQF - Ministry of Education)
- Curricula Flexibility (Ministry of Education)
- Lesson Plans (Continuous Education)
- Research Initiative (Long Term)
- Internships



Education for Work and Human Development

- Strengthening SENA Academic Portfolio
- Strengthening Education Institutions (Materials, Training)

Thank You!

<https://formacion.swisstierrascolombia.com/>

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