



APOGEO Senior Geospatial Experts Pool

- ASGEP -

A Strategic Platform for Geospatial Excellence and African Leadership!

EXECUTIVE SUMMARY

The APOGEO Senior Geospatial Experts Pool (ASGEP) is a strategic network of distinguished African and international professionals brought together under the umbrella of Apogee Geospatial (APOGEO). Conceived as a platform of excellence rather than a simple roster of consultants, ASGEP provides governments, development partners, academia and the private sector with rapid access to multidisciplinary expertise capable of addressing complex geospatial and territorial challenges. Drawing on decades of collective experience accumulated by its members across national institutions, regional organizations and international agencies, ASGEP combines technical excellence, institutional understanding and African leadership to support sustainable development and digital transformation. By fostering collaboration among highly experienced practitioners, ASGEP aims to strengthen Africa's geospatial ecosystem while enabling APOGEO to deliver high-quality, multidisciplinary solutions tailored to the evolving needs of clients and partners.

1. BACKGROUND

Africa is experiencing profound transformations driven by urbanization, digital technologies, climate change, demographic growth and increasing demands for evidence-based decision-making. Geospatial information has become an essential enabler of sustainable development, effective governance and territorial resilience.

At the same time, addressing these challenges requires increasingly multidisciplinary expertise spanning geodesy, mapping, land administration, boundary governance, digital transformation, climate resilience and spatial analytics. Such expertise exists across the continent and within the African diaspora but often remains fragmented and difficult to mobilize rapidly.

Recognizing this opportunity, Apogee Geospatial has established the APOGEO Senior Geospatial Experts Pool (ASGEP) as a trusted platform capable of bringing together highly experienced professionals around shared values of excellence, collaboration and African leadership.

2. WHY A SENIOR GEOSPATIAL EXPERTS POOL?

Complex development challenges rarely fit within a single discipline. Governments and development partners increasingly seek integrated solutions requiring technical, institutional and policy expertise. ASGEP responds to this need by providing:

- Rapid access to trusted expertise
- Multidisciplinary capabilities tailored to project requirements
- Peer review and quality assurance mechanisms
- Knowledge sharing among experienced professionals
- Flexible and efficient mobilization arrangements

More than a network of consultants, ASGEP represents a community of practice dedicated to advancing geospatial innovation and sustainable development.

3. VISION

To become Africa's leading platform for senior geospatial expertise, fostering innovation, collaboration and excellence in support of sustainable development and digital transformation.

4. MISSION

To mobilize and connect highly experienced professionals capable of delivering innovative, multidisciplinary and impactful geospatial solutions while strengthening African capacities and promoting knowledge exchange.

5. STRATEGIC OBJECTIVES

ASGEP seeks to:

- Provide access to world-class expertise for complex assignments
- Enhance APOGEO's capacity to deliver multidisciplinary projects
- Support governments and development partners through trusted advisory services
- Promote African leadership and expertise
- Facilitate peer learning and knowledge exchange
- Contribute to strategic initiatives advancing geospatial innovation across Africa
- Strengthen the continent's geospatial ecosystem

6. GUIDING PRINCIPLES

- **Excellence:** Maintaining the highest professional standards
- **Integrity:** Acting with transparency, ethics and independence
- **African Leadership:** Promoting African ownership and contextual relevance
- **Collaboration:** Encouraging multidisciplinary teamwork and partnerships
- **Knowledge Transfer:** Supporting capacity development and mentoring
- **Innovation:** Leveraging emerging technologies and approaches
- **Inclusiveness:** Valuing diversity and broad participation

7. AREAS OF EXPERTISE

ASGEP brings together multidisciplinary expertise spanning the geospatial sciences and related domains essential to sustainable development and evidence-based decision-making. The network is organised into core geospatial disciplines and complementary supporting areas.

7.1 Core Geospatial Disciplines

Geodesy and Reference Infrastructure

- Geodetic reference frames, coordinate systems and AFREF integration
- GNSS/CORS network design, implementation and quality assurance
- Vertical datums, levelling networks and geodetic standards

National Mapping and Spatial Data Infrastructure

- National mapping modernization strategies and topographic mapping
- Spatial Data Infrastructure (SDI) design, governance and interoperability
- Geospatial information policies and institutional frameworks

Remote Sensing and Earth Observation

- Satellite imagery acquisition, photogrammetry and aerial mapping
- Earth observation applications, environmental monitoring and geospatial analytics

Land Administration and Territorial Development

- Land information systems, digital cadastre and property registration
- Land governance, tenure systems and spatial planning

Border Governance and Territorial Integrity

- International boundary delimitation, demarcation and reaffirmation
- Technical support to joint boundary commissions and integrated border management

7.2 Supporting Disciplines

International Law and Governance

- Boundary and treaty law, maritime delimitation and institutional frameworks

Urban and Regional Planning

- Urban development strategies, smart cities, infrastructure and territorial cohesion

Climate Resilience and Environmental Sustainability

- Climate risk assessment, disaster risk reduction and natural resource management

Data Science, Artificial Intelligence and Spatial Analytics

- Geospatial data science, AI/ML modelling and decision-support systems

Digital Transformation and Digital Public Infrastructure

- Digital government services, geospatial platforms and emerging technologies

Capacity Development and Knowledge Management

- Institutional strengthening, professional training and communities of practice

Monitoring, Evaluation and Project Management

- Results-based management, impact assessment and donor reporting

ASGEP’s multidisciplinary approach enables the formation of tailored teams capable of delivering integrated and sustainable solutions for governments, development partners, academia and the private sector.

8. MEMBERSHIP

ASGEP is a curated network of highly experienced professionals selected on the basis of expertise, reputation, integrity and commitment to the development of Africa’s geospatial ecosystem.

Membership categories include:

- Senior Associate Experts
- Principal Experts
- Specialist Advisors
- Emeritus Advisors

Membership constitutes a professional affiliation and does not imply permanent employment.

9. VALUE PROPOSITION

For Clients & Partners	For Members	For APOGEO
✓ Rapid access to high-level expertise	✓ Meaningful professional engagement	✓ Expanded delivery capacity
✓ Multidisciplinary teams tailored to assignments	✓ Access to strategic opportunities	✓ Enhanced proposal competitiveness
✓ Strong African ownership	✓ Participation in communities of practice	✓ Access to specialized expertise
✓ Quality assurance through peer review	✓ Visibility and collaboration with peers	✓ Reduced transaction costs
✓ Flexible and efficient mobilization		
✓ Trusted professional networks		

10. STRATEGIC PARTNERSHIPS AND INITIATIVES

ASGEP supports APOGEO’s strategic engagements and collaborative initiatives with governments, development partners, academic institutions and private-sector stakeholders.

The Pool also contributes to flagship programmes and emerging initiatives aimed at leveraging geospatial technologies for sustainable development, digital transformation and citizen-centred governance.

11. GOVERNANCE

The APOGEO Senior Geospatial Experts Pool (ASGEP) operates under a lean and agile governance framework designed to ensure strategic coherence, operational efficiency and the highest professional standards. Overall strategic oversight is provided by the APOGEO Manager, who is responsible for the Pool's vision, membership policy and alignment with APOGEO's institutional priorities.

The day-to-day coordination and administration of the Pool are entrusted to a dedicated Pool Coordinator responsible for maintaining the experts' roster, facilitating communications, matching expertise with opportunities and supporting the mobilization process.

To preserve flexibility and promote excellence, ASGEP may also rely on ad hoc peer consultations involving selected members of the Pool. Such consultations may be convened, as appropriate, to provide technical advice, peer review, quality assurance or strategic input on specific assignments, thematic areas or institutional matters. This approach enables the Pool to benefit from collective expertise while maintaining an efficient and adaptable governance structure.

12. LOOKING FORWARD

As Africa's demand for geospatial solutions continues to grow, ASGEP aims to evolve into a recognized platform of excellence connecting senior professionals, institutions and partners committed to building resilient societies and informed decision-making systems.

CONCLUSION

The APOGEO Senior Geospatial Experts Pool represents more than a mechanism for accessing expertise. It embodies a shared commitment to excellence, collaboration and African leadership.

By bringing together distinguished professionals from across disciplines and regions, ASGEP seeks to strengthen the continent's geospatial ecosystem and provide governments and development partners with trusted access to world-class capabilities.

Together, we aspire to build a vibrant community of practice dedicated to advancing geospatial innovation and sustainable development across Africa and beyond.

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