



Development Status Update

Jonah PTAK

Secretariat Greenroads South Africa

Quick Background:

- “Local Chapter” of American Greenroads Foundation
- Interim Board under custodianship of SARF
- Interim Board has 13 stakeholders represented
- Board has been meeting since mid-2012

Main Current Objectives

- Establish structure for formation of a viable not-for-profit company in South Africa
- Develop a localised version of the existing Rating System



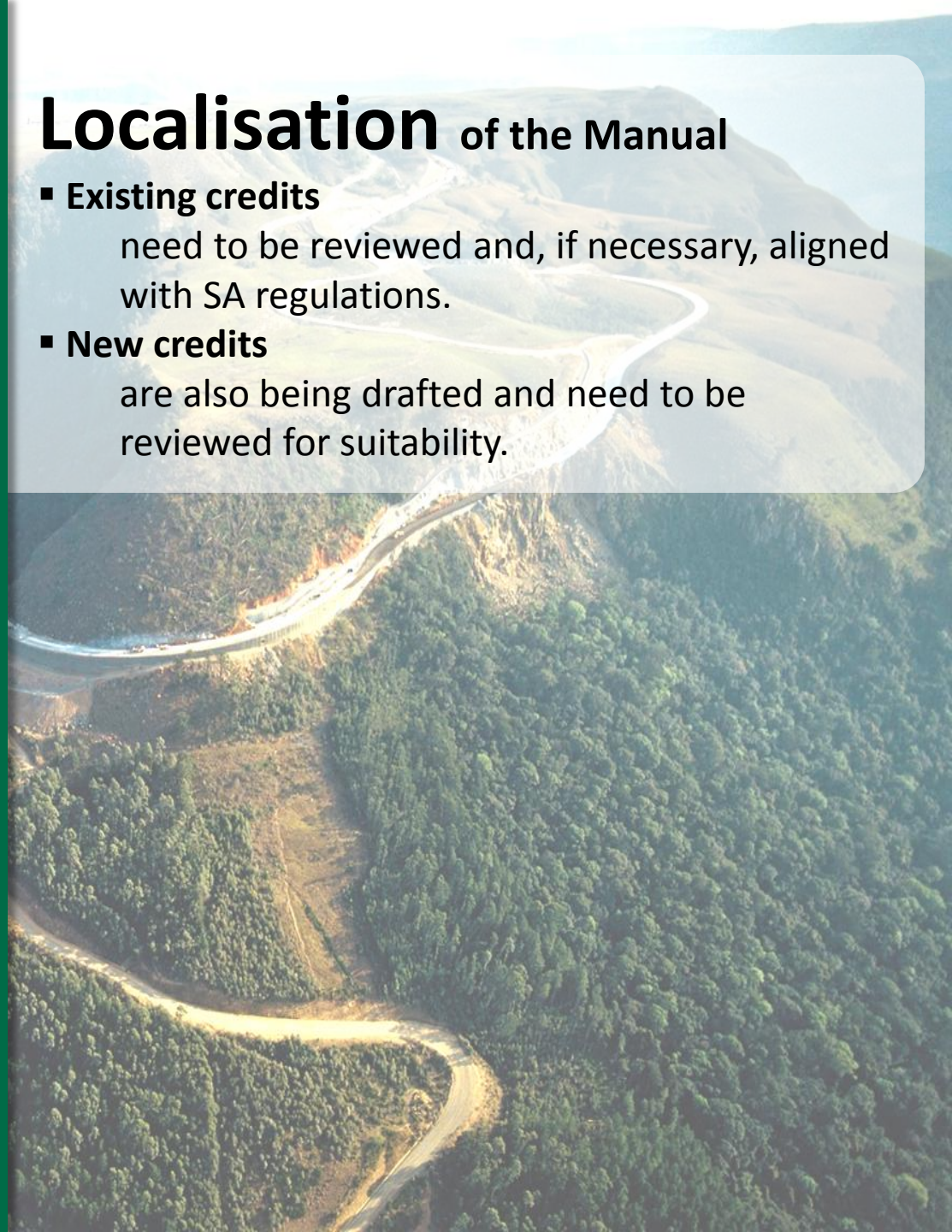
Development Status Update

Jonah PTAK

Secretariat Greenroads South Africa

Localisation of the Manual

- **Existing credits**
need to be reviewed and, if necessary, aligned with SA regulations.
- **New credits**
are also being drafted and need to be reviewed for suitability.





Development Status Update

Jonah PTAK

Secretariat Greenroads South Africa

New Credits

Job Creation & Skills Development

- BE/SMME Development
- Emerging Contractors
- Labour-Intensive Construction
- Professional Registration
- Youth Development

Others

- Structural Aesthetics
- Access to Sports & Athletics
- Long Life Concrete
- Low-Maintenance Structures
- Sustainable Remuneration
- Follow-Up Traffic Survey
- Removal of Invasive Species

*** New Credits Exist in Draft Format ***

*** Already suited for use in South Africa ***

*** Still need industry feedback ***



Development Status Update

Jonah PTAK

Secretariat Greenroads South Africa

Problem Areas

Lifecycle Costing and Asset Management

- Vast differences in procedures
- Lack of agency uniformity

Existing Credits

More Work To Localise...

Existing Credits reference American

- Regulations
- Design Requirements / Processes
- Implementation Challenges and Issues
- Research

Critical **Review** the Points Above Needed

- Appropriate, Relevant, Valuable?
- Keep, Replace or Remove?

Strong Suits

Pavement Technologies

- Lots of local research
- Good implementation and understanding of local capacities



Development Status Update

Jonah PTAK

Secretariat Greenroads South Africa

PT-1 Long-Life Pavement

35 years suitable definition of “Long-Life” for SA?

PT-2 Permeable Pavement

Requires ensured maintenance to function

PT-3 Warm Mix Asphalt

No major concerns

PT-4 Cool Pavement

No major concerns (maybe relevance to rural road projects)

PT-5 Quiet Pavement

are dBA the only measure of pavement “noise”?

PT-6 Pavement Performance Tracking

Also requires regular maintenance/performance readings





Development Status Update

Jonah PTAK

Secretariat Greenroads South Africa

Current **Targets**

Abridged Manual ready for Pilot Project Testing in 2014

- Credits must be useable in South Africa
- Weight of credits/scoring to be discussed
- GrSA project submission requirements must be feasible and beneficial

Robust Field Testing on Local Projects

- Diverse projects being sought (urban, rural, reseals, widenings, NMT upgrades, green fields, etc.)
- Early adoption of GrSA concepts
- Lessons learned:
 - Ease of Use of Each Credit (Cost vs. Benefit)
 - Project Owner attitudes throughout projects
 - Attainability of PRs and Credits
 - Levels of “Best-Practices”



Development Status Update

Jonah PTAK

Secretariat Greenroads South Africa

Pilot Projects Sought

Ideally Completed Projects

- Preferably completed projects in order to expedite review process.
- To learn more email info@GreenroadsSA.org.za

... but Projects in the Planning Stages ok

- Pilot Projects cognisant of Greenroads SA rating system seeking Pilot Project Status or even future certification.
- To learn more email info@GreenroadsSA.org.za

GrSA Pilot Project Status

- 1 Pilot Project construction complete. Data Analysis being carried out.
- 3-5 Pilot Projects in discussion.
- Limited capacity but unlimited hopes



Thank you.

To learn more

- info@GreenroadsSA.org.za
- @GreenroadsSA.org.za on Twitter
- Facebook.com/GreenroadsSA on Facebook
- www.GreenroadsSA.org.za (under construction)