THE REVOLUTION OF CONNECTIVITY

YORK TIMBERS

Made of
100% natural
resources!

Supplying
the world
SINCE
its
discovery

TIME FOR A RIGHTFUL SEAT AT THE WORLD TABLE

"African countries received $162bn in 2015 mainly in loans, aid and personal remittances.
But in the same year, $203bn was taken from the continent"
UK Guardian

1. Huge market opportunity
2. Increasingly stable
3. It will soon have the world's largest workforce
4. Mobile is exploding
5. Intra-Africa trade is in its infancy
6. 20% of government spending goes to education
7. It contains most of the world's uncultivated arable land

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AFRICA should LEAD ITSELF

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Sustainability

Africa's time is now

Stakeholder inclusivity

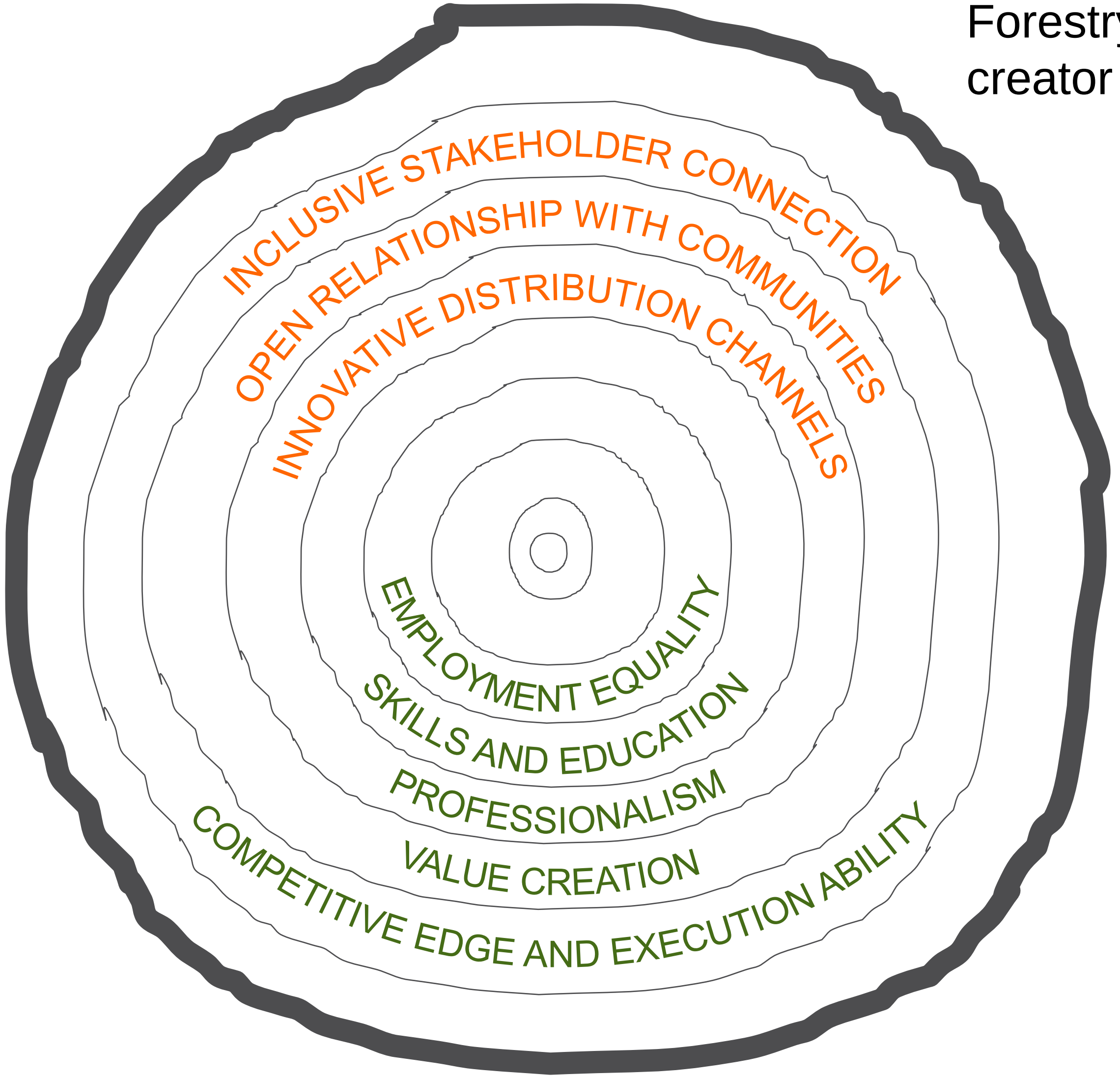
New models for connecting

Precision Forestry

Biotechnology

Long-term investment

Forestry Economics



Forestry is a key job creator in Africa

Appropriate and sound Business model

Structure tasks and connection

THE PROMOTION OF research AND science IN FORESTRY AND SAWMILLING ARE critical.

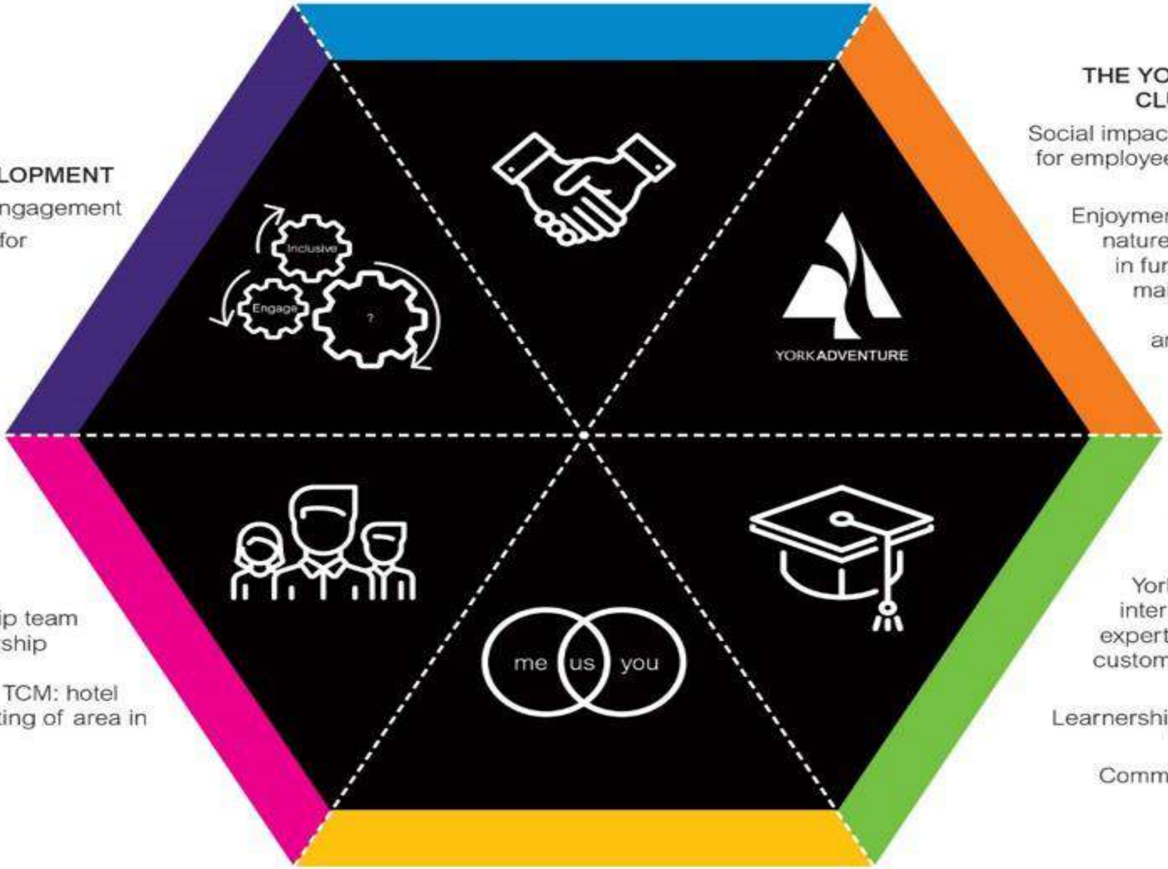
AUTHENTIC OUTCOMES BASED PARTNERSHIPS

Business success linked to
community success YTSI
Job creation, talent development

SUPPLIER DEVELOPMENT

BBBEE Supplier engagement

Supplier leverage for contributions



THE YORK ADVENTURE CLUB AND EVENTS

Social impact: An outdoor club for employees and community members

Enjoyment of the beauty of nature and participation in fund outdoor events, maintaining an active healthy lifestyle and participating in company life

LEADERSHIP

A committed and qualified leadership team
Community leadership platforms
Tourism leader for TCM: hotel school and marketing of area in new channels

YORK TRAINING ACADEMY

York-specific training, internal subject matter, experts and high calibre customised development experience

Learnerships and placement internships

Community engagement

SYMBIOTIC RELATIONSHIPS

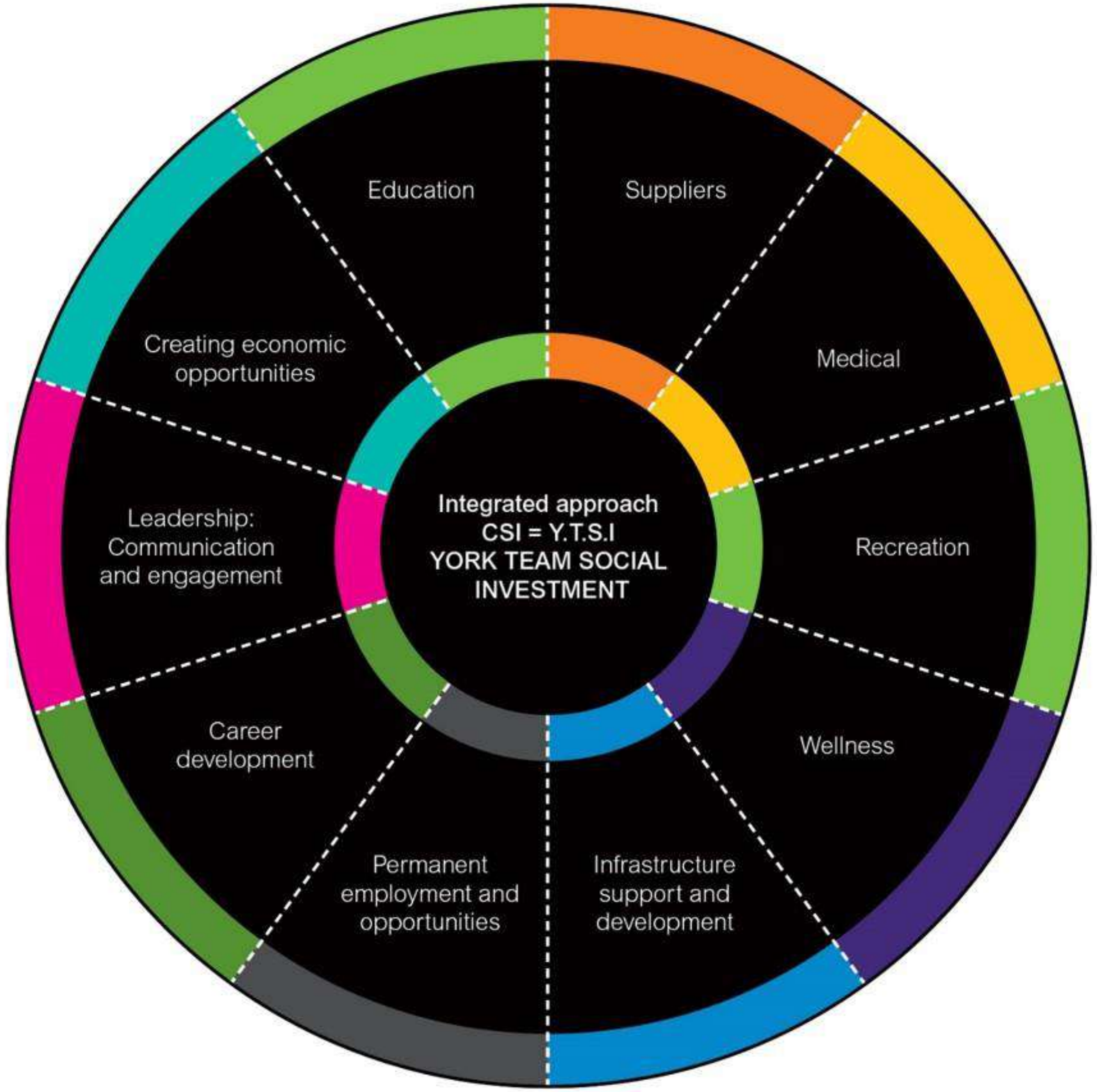
Peaceful dwelling on York land by communities
Currently 7 000 people

ECOME:

ECONOMICS
PEOPLE
ECOLOGICAL
SOCIAL ISSUES

Integrating profitability

Values based management



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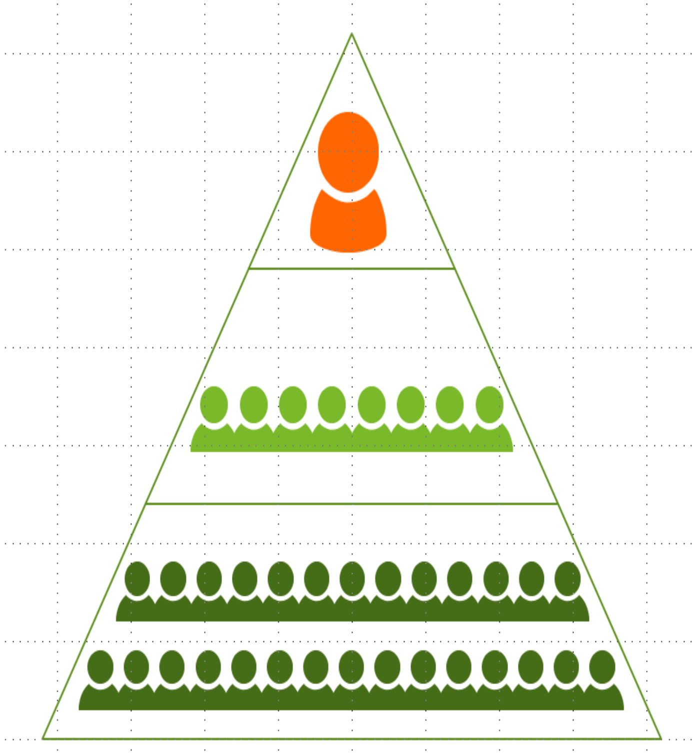
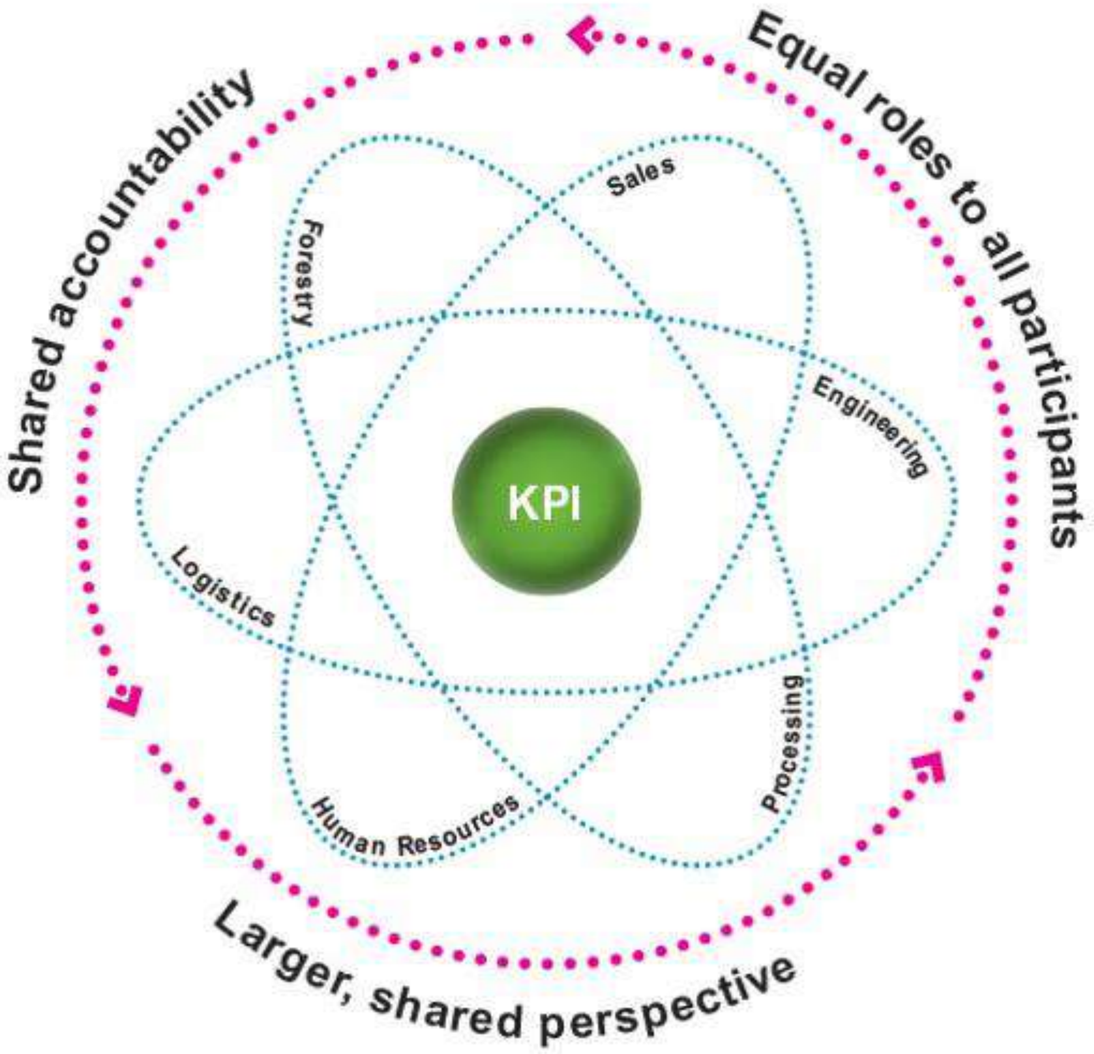


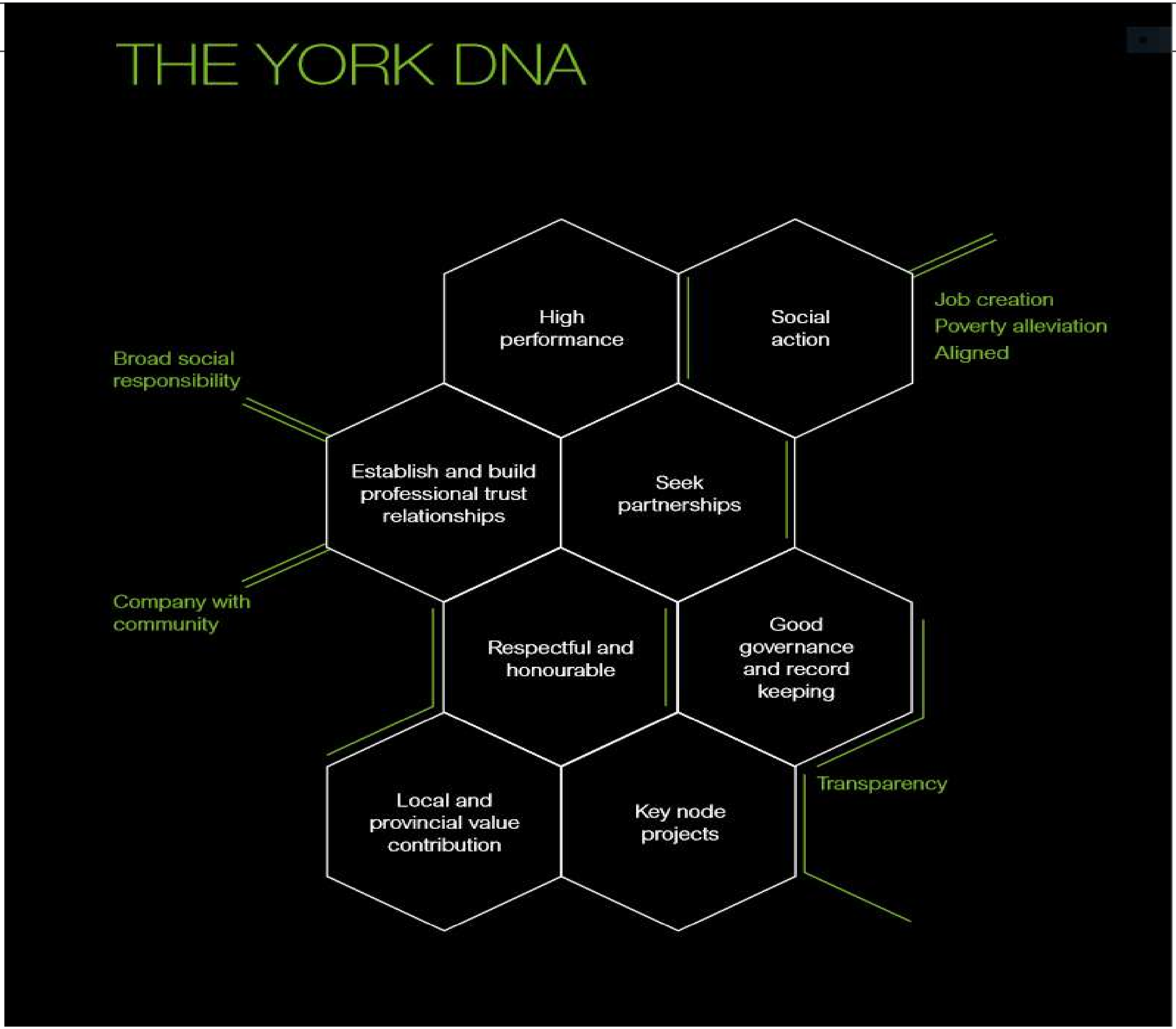


Overcoming the talent skills and power inequalities

None of us know everything but collectively we know a lot

Self feeding loop:

- Advisory Board
- Experts
- Competitive Environment
- Culture of maturity



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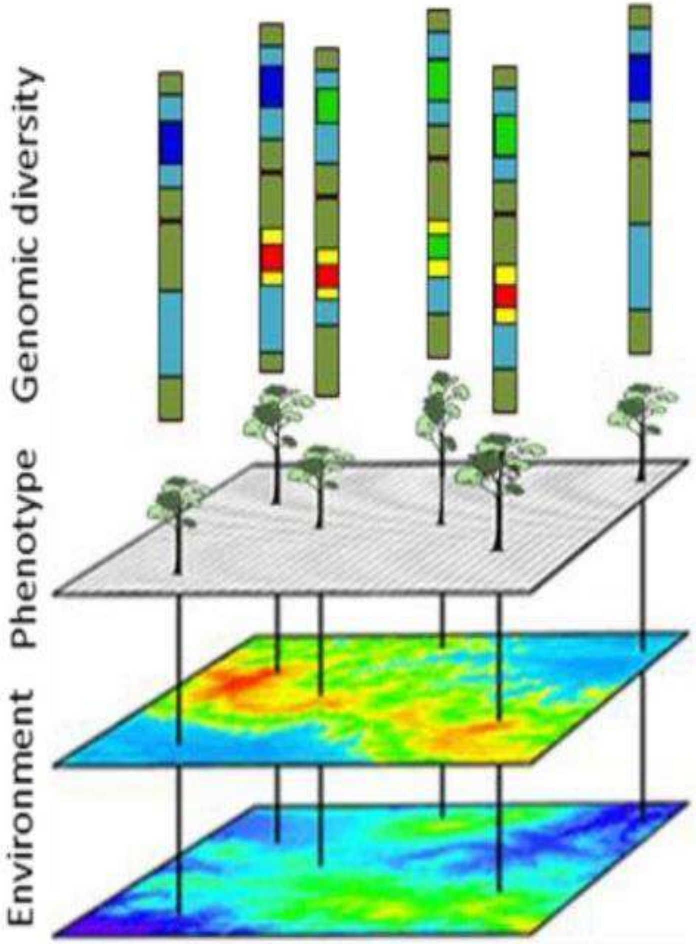
Phenotype

Genotype

P = G + E + *GxE*

Genome diversity atlas



Landscape genomics

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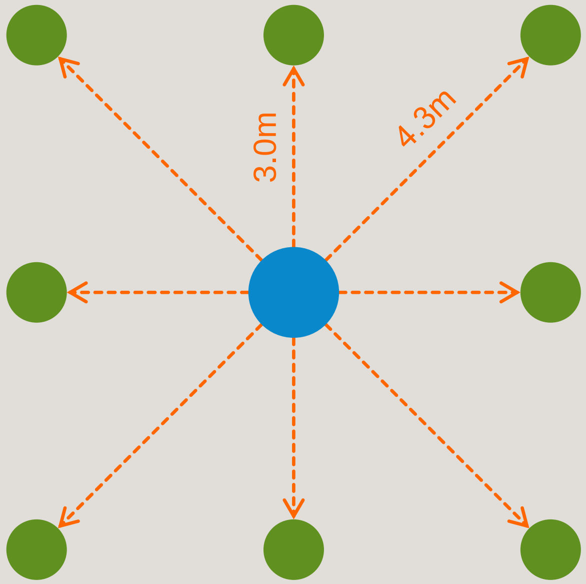
Genotype

Site



Silviculture

Conventional Eucalyptus breeding

Flowering and crosses

3 years

Progeny trial:
Establishment and phenotyping

5 years

First clonal trial:
Rescue of trees, cloning and phenotyping

5 years

Expanded clonal trial:
Rescue of trees, cloning and phenotyping

5 years = 18 years

Genomic selection

Flowering and crosses

3 years

DNA

1 year

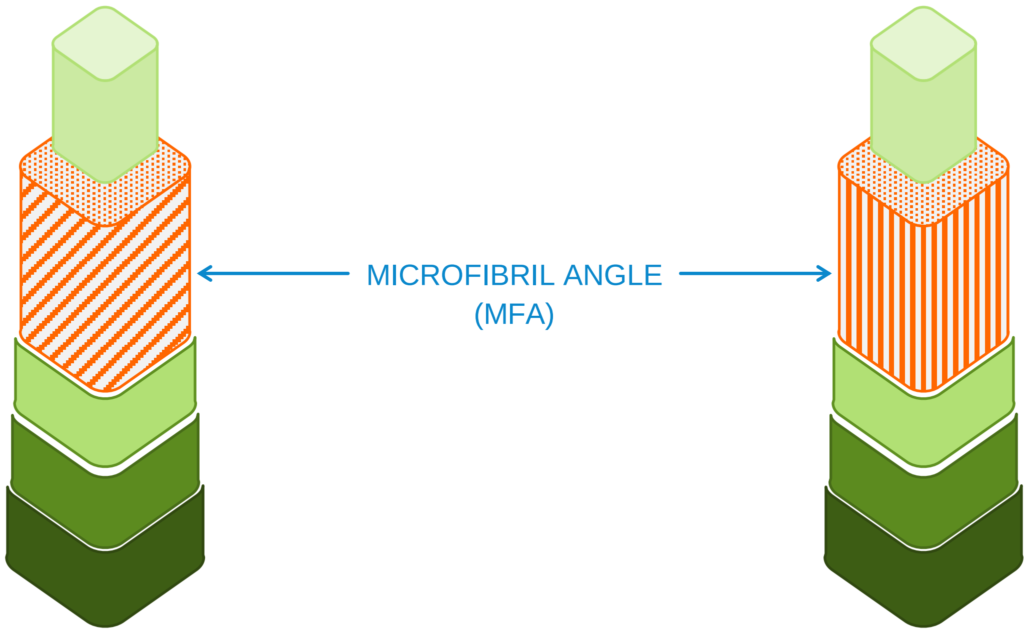
Verification clonal trial:
Cloning from seedlings and phenotyping

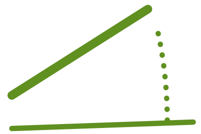
5 years = 9 years

Time saving of 9 years

Grattapaglia's estimated cost:

- ↑ Cost of genomic selection: ±US$500 000/ generation
- ↑ 1% higher yield in 1M ton mill, 9 years ahead of time?





JUVENILE WOOD

- 8-12 years
- High MFA
- Low density

VS

MATURE WOOD

- > 12 years
- Low MFA
- High density

10°-40° change in MFA can impact **TIMBER STIFFNESS** by up to **6X!**

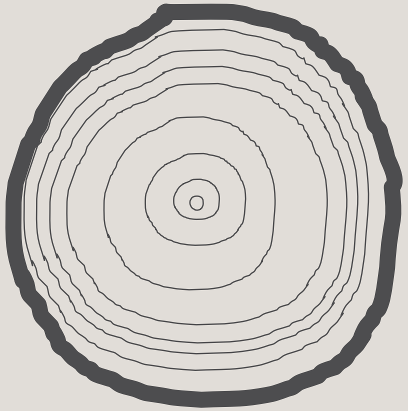
Combination of **WOOD DENSITY** and **MFA** can predict up to

96%

of MOE

NINE YEAR OLD AVERAGE TREE'S IMPACT OF VARIOUS SILVICULTURE REGIME

Free growth



Acute suppression

Response to thinning

Sustainability

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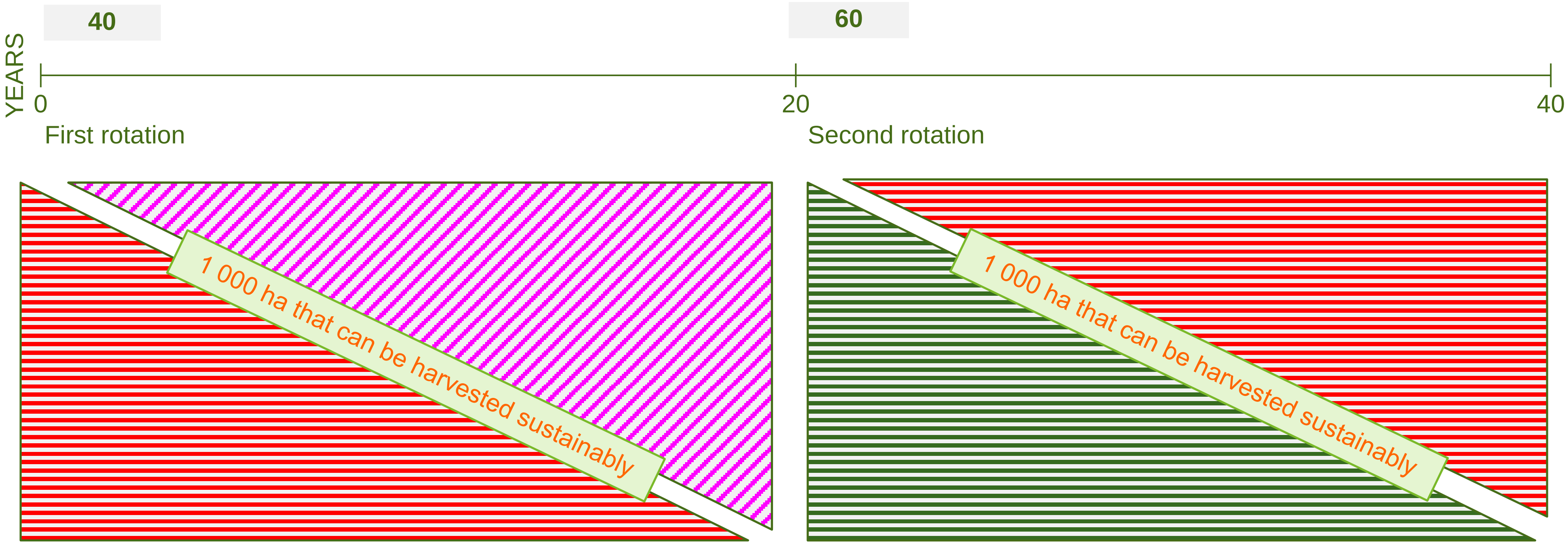
Planting 1 000 ha per year on a 20 year cycle
Mean annual increment: 14



- First rotation (20 years) – 1000 ha over 20 years = planted 20 000 ha
- Second rotation (40 years) – harvest and replant 1 000 ha = planted 19 000 ha

Key considerations

- Risk high 1st cycle
  - Safety margin
- Planting
- Planning of operations
- Regulating of volumes

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- Lithology
  - Understand the growth medium
- Environmental
  - Study external factors
- Biotechnology
  - Know what the market wants – wood properties
  - Study genetic material
  - Match species to growth site for optimal value
- Sustainability
  - Asset class
  - Accreditation to comply
- Long-term Investment by its nature
  - Invest responsibly with correct capital structure
- Commitment
  - Focused
  - Planning

Funding must be resolved

Beware of the “F/Law of Excel”

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FORESTRY AND SAWMILLING
ARE COSTLY

YOU RISK SPENDING AND WASTING
A LOT OF MONEY IF YOU DO NOT

CONNECT

To work, it must be good for the country, the company and the community.

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Branch out and invest in an asset class where money does grow on trees

THANK YOU!