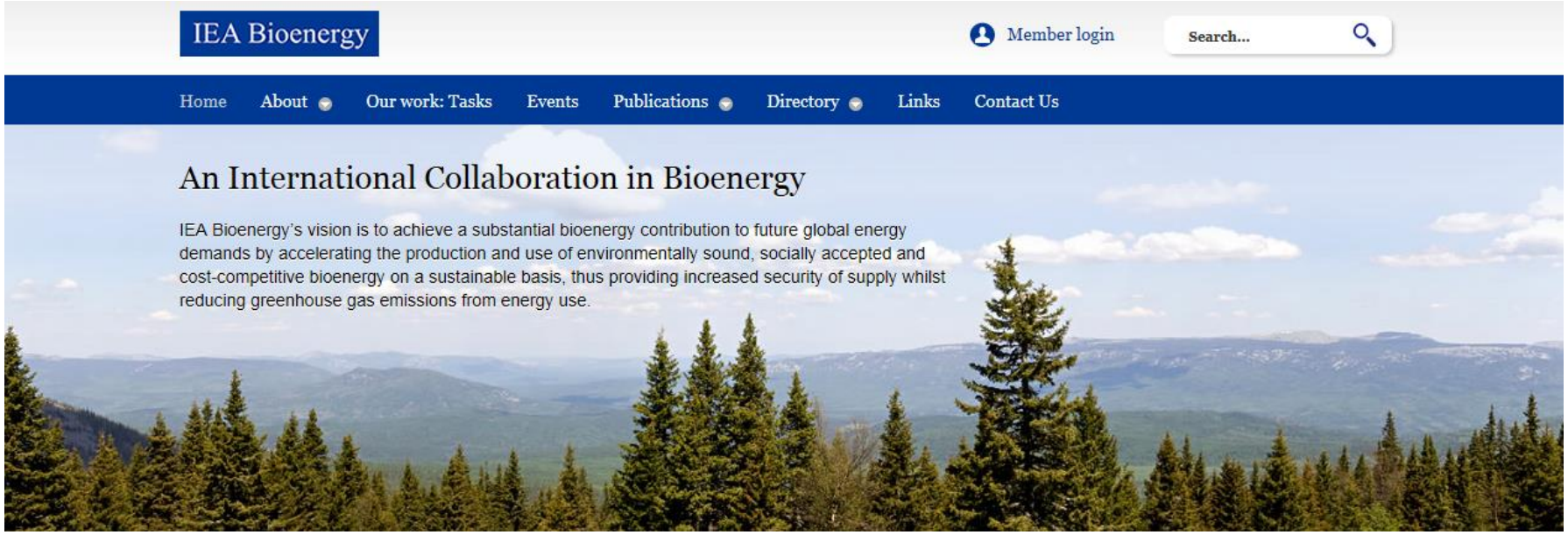


IEA Bioenergy's vision is to achieve a ***substantial bioenergy contribution to future global energy demands*** by accelerating the production and use of environmentally sound, socially accepted and cost-competitive bioenergy ***on a sustainable basis***, thus providing increased security of supply whilst reducing greenhouse gas emissions from energy use. http://www.ieabioenergy.com/

IEA Bioenergy

SUSTAINABLE BIOMASS SUPPLY INTEGRATION FOR BIOENERGY WITHIN THE BROADER BIOECONOMY

Prof Mark Brown, USC-Australia

Scope and Objectives

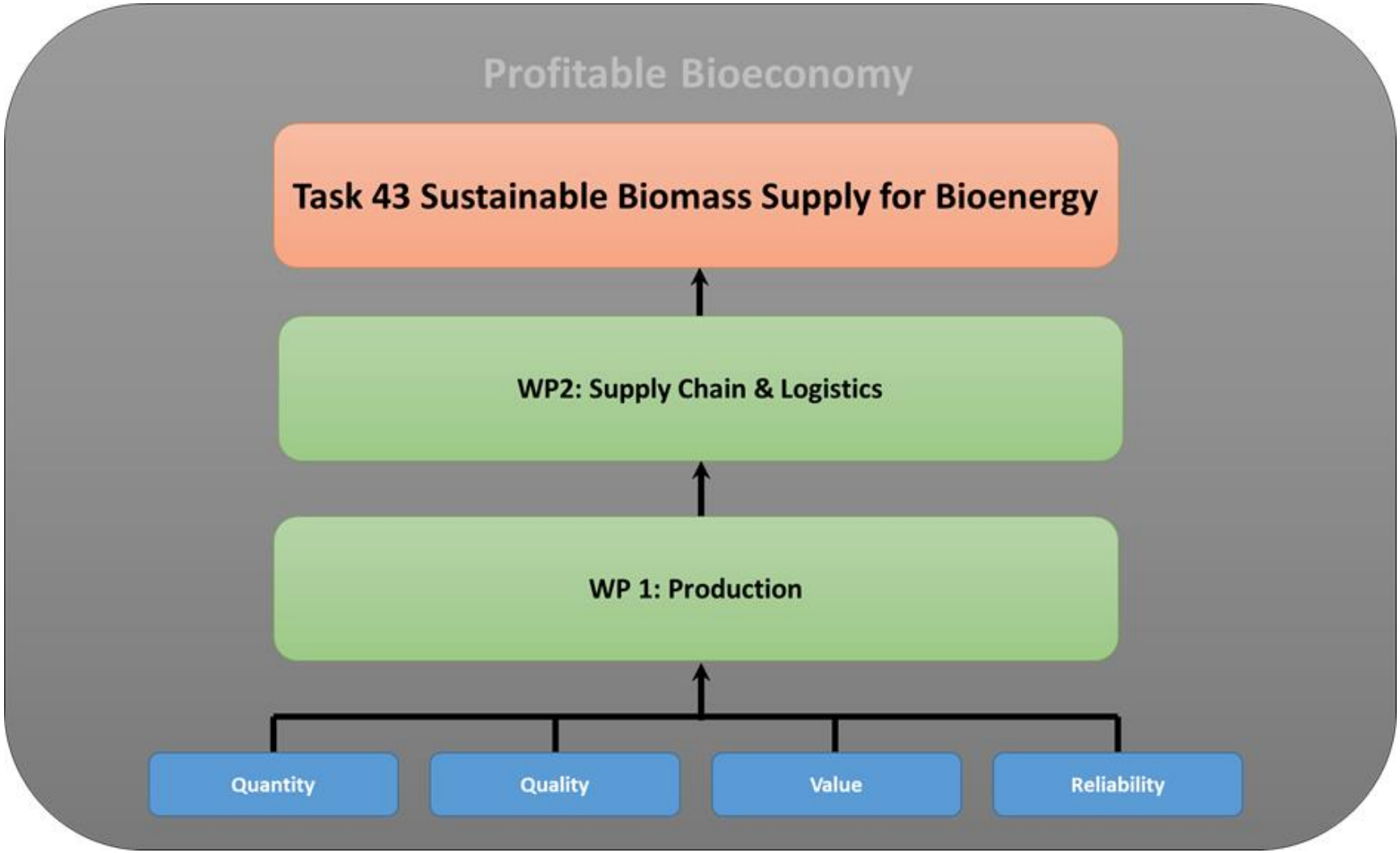
Scope

explore technical and economic strategies to increase the quantity & quality of biomass for bioenergy within a profitable bioeconomy.

Objectives

Develop sustainable integrated land management strategies for biomass mobilisation.

Explore integrated bioeconomy supply chains to develop solutions for the reliable production and supply of more high-quality biomass for energy.


Profitable Bioeconomy
Task 43 Sustainable Biomass Supply for Bioenergy
WP2: Supply Chain & Logistics
WP 1: Production
Quantity
Quality
Value
Reliability

WP1: Biomass production systems for sustainable bioenergy within the bioeconomy

1. Strategies to integrate innovated biomass crops to leverage and expand existing residue and co-product supply chains *[Workshop & Report(s)]*
2. Scale of biomass crops required to economically supply bioenergy production as sole source and as an integrated contribution to residue supply chains *[Report]*
3. Quantifying the socioeconomic values of biomass crops as a part of a local, regional and national renewable energy strategies. *[Workshop & Report(s)]*
4. Influencing biomass sustainability through strategies to increase volume, value and quality of biomass supply. *[Joint workshop (sustainability task) & Report]*

WP2: Integrated supply chain and logistics for sustainable bioenergy in the bioeconomy

1. Key biomass quality drivers as they relate to bioenergy technology needs. [Workshop & Report]
2. Identifying and managing technology bottlenecks in biomass supply chains [Biomass supply chain process model & Report]
3. Opportunities to economically extend the range of biomass supply chains through new and emerging biomass technology. [Workshop & Report(s)]
4. Improving biomass quality and value with pre-processing or pre-treatment within the supply chain. [Report(s)]

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