Zambezi Process in a Nutshell

Improved Bergius-Rheinau process:

Two-stage, concentrated HCl hydrolysis

Acid / sugar separation by

Feedstock Hexible und









Post hydrolysis

Acid / sugar separation



35% HCI

Cellulose

hydrolysis



Clean Lignin

Lignin de-acidification

42% HCI

Acid

re-concentration & recycle







- Technical Breakthroughs
 - Acid sugar separation
 - Material construction
 - Lignin deacidification

Intellectual Property captured through patent filings

Zambezi Project in Delfzijl













IEA Bioenergy

International Collaboration

IEA Bioenergy:

platform for international collaboration and information exchange in bioenergy research, technology development, demonstration, and policy analysis.



Mission:

To increase knowledge and understanding of bioenergy systems in order to facilitate the commercialisation and market deployment of environmentally sound, socially acceptable, and cost competitive bioenergy systems

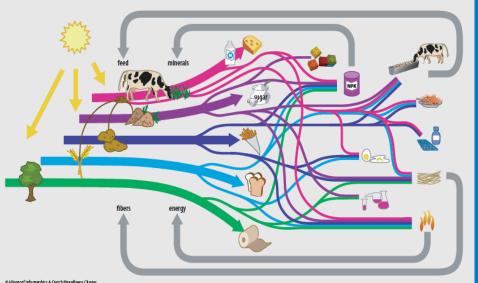


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Thank you for your attention



Questions?

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