

Presentation
to
Finnish Delegation/BioSA
Cape Town
31st March 2008

By: Dr Hugh Laue

Background

- **Personal**
 - Ex CEO of Chemin
 - Now Independent consultant to Chemin
 - Temporary BioSA contact (with Sean Moore) in Eastern Cape
 - Not representing Chemin

- **Chemin**
 - Section 21 non-profit est. 2002
 - Funded by DTI through STP
 - SMME creation/job creation
 - Focus formulation businesses, existing technologies

Chemin Graduates

- **NCSA**
 - Beta-carotene from algae
 - Location – Upington, Northern Cape
 - Based on local CSIR technology
 - Operational, but not yet sustainable
- **Ethanol Africa**
 - Bio-ethanol & animal feed from maize
 - Location – Bothaville, Free State
 - On hold, awaiting govt decision on use of maize &
 - Investors
 - Katzen (USA) technology

Recent & Current Clients

- **Nevana - Natural skin-care prod**
 - Novel burn wound product reduces itch for 8 – 10 hr, scar reduction
 - Surgeon at UKZN keen to do “clinical trial” as research project
 - Trial not approved by MCC
 - Selling retail as alternative health care product
 - Location – Nelson Mandela Metropole, EC

- **Khulani Aloe vera - Aloe products**
 - Bitters from aloe
 - Harvest from the wild
 - Business Plan not sustainable
 - Location - Nelson Mandela Metropole, EC

Recent & Current Clients (contd)

- **CBN Distillers - Essential oils**
 - Successful pilot planting trials done (by ARC) on 4 essential oils
 - Need funding to proceed to commercialisation
 - Emerging farmers in Butterworth, EC

- **S&P Carbon - Charcoal briquettes**
 - Bio-tech?
 - Novel, high yield carbonisation process
 - Full-scale plant erection in Kareedouw, EC
 - ECDC loan funding
 - Need investors for roll-out and technology improvement
 - Excess energy output – convert to electricity?

Recent & Current Clients (contd.)

- **NNIP - Pineapple fibre & bromelain**
 - Pineapple plant added value
 - Technologies for fibre and bromelain extraction not fully developed
 - Awaiting decision on development funds from investment consortium
 - DBSA and ECDC involved
- **EC Biofuels - Ethanol Gel (sugar beet or maize)**
 - Not viable on scale envisaged
 - Ethanol gel for low income group as paraffin replacement not viable
 - Location; EC

Recent & Current Clients (contd.)

- **LG Erasmus - Ethanol Gel (molasses or sugar cane)**
 - As for EC Biofuels
 - Location; KZN
- **Enviroquest - Insect repellents**
 - DEET free formulation
 - Slow release agent increases effectiveness
 - Application in to SPII for funding support
 - Other applications for slow release in long life disinfectants

Recent & Current Clients (contd.)

- **Magongoma Pectin (Katco)**
 - Pectin from citrus
 - CSIR technology (HM & LM)
 - Funded by LifeLab
 - Final report from CSIR due April 2008
- **SUN (Univ. Stellenbosch)**
 - Performance proteins (amphotericin, surfactan)
 - Affinity chromatography
 - Potential low cost production
 - Funding from Chemin terminated
 - Loss of IP through publication?

Other

- **ECDC supported**
 - 4 essential oil projects
 - Bio-diesel from Canola
- **Private**
 - Rainbow Nation Renewable (Biodiesel)
- **Rhodes Univ. spin-offs**
 - Mycoroot (Mycorrhizzia)
 - Makana Meadery (Honey mead)
- **Possibilities being explored**
 - Micronutrient fertiliser from citrus wastes (Katco)
 - Secondary antigen manufacture (NMMU Post Doc)

