



FOR FRANK V.

# BRIEF RESUME: INNOVATION

1 SHEET  
BOTH SIDES

CONTINUE

THE NEED FOR INNOVATION IN THE AGRICULTURE-FOOD SECTOR IS RECOGNISED GENERALLY AND PARTICULAR ISSUES FOR DEVELOPMENT IDENTIFIED AS:

- H<sub>2</sub>O - DROUGHT TOLERANCE, VARIABLE H<sub>2</sub>O SUPPLY (= WIDER ENVIRONMENTAL IMPACT)
- UTILISATION OF WASTES ↑ wider context of climate change & GHG.
- AQUACULTURE

THE DEVELOPMENT OF ALGAE AS FOOD / FEEDSTOCKS

IT IS ESSENTIAL THAT METRICS ARE DEVELOPED TO MEASURE PROGRESS.

2. THE ~~DEVE~~ CHAIN - INNOVATIVE IDEA → RESEARCH → DEVELOPMENT → PUBLIC ACCEPTANCE IS LONG & SLOW. PUBLIC ACCEPTANCE IS THE KEY ELEMENT IN UPTAKE OF INNOVATION (WHAT'S IN IT FOR ME?). NEED TO ENCOURAGE CROSS-DISCIPLINARY RESEARCH: BOUNDARY FACES ARE IN AN AREA TIMEFRAMES FOR POLICY MAKERS & RESEARCHERS ARE QUITE DIFFERENT. THE FORMER ARE GENERALLY TOO SHORT FOR THE LATTER.

3. THE LINKAGES IN THE INNOVATION CHAIN NEED ENHANCEMENT IN SOME REGIONS INNOVATION IS BEING REJECTED BY THE PUBLIC.

3. BIOTECH WAS THOUGHT TO BE ONE AREA WORTH FURTHER DEVELOPMENT (NOT JUST GM). BUT COSTS OF REGULATION ARE BECOMING PROHIBITIVE. THE 'PRECAUTIONARY PRINCIPLE' HAS BECOME EXTREME. THERE SHOULD BE A BETTER BALANCE BETWEEN RISK & REGULATION.

## 2/2 Brief Resumé

---

4. FOR THE FUTURE, POLICIES NEED TO BE LONGER TERM, LESS SUPERFICIAL & MORE INTERLINKED. THEY SHOULD FORM PART OF AN INTEGRATED 'FORESIGHT EXERCISE' WHICH INCLUDES RESEARCHERS; DEVELOPERS; ALL STAKEHOLDERS ESPEC. GENERAL PUBLIC; POLICY MAKERS.
5. INNOVATION FOR COMMERCIAL EXPLOITATION IN 2020-30 HAS ALREADY BEEN COMPLETED. FURTHER <sup>NEW</sup> INNOVATION IS UNLIKELY TO BE 'WITH THE PUBLIC' BEFORE 2040 OR EVEN 2050.
6. I/P + DATA PROTECTION WERE RECOGNISED AS KEY ELEMENTS IN COMMERCIAL DEVELOPMENT.

Melvin L. Askeed

---