

May 5, 2006



**Don't forget the past
Don't forget the concerns of citizens**

1- Information → TRUST



- NIMBY as an **excuse** to **minimize** reality
- Give fair, correct **first hand information** directly to the Locals: **technologies, security, ...**
- Approach **social change** as any other **technological challenge**

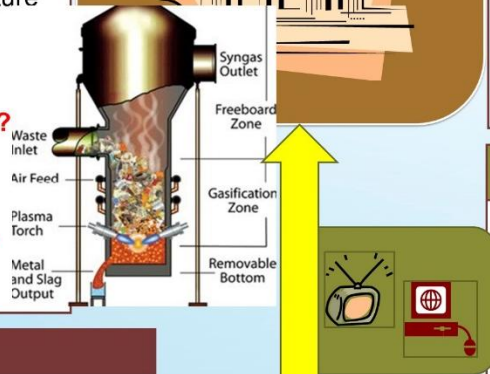
Impact on Environment

- Air, CO₂ processing
- Water and soil
- Wildlife, biodiversity
- How do you 'restore' nature?
- By cutting down woods?
- Risk for stench



Technology & Approach

- Digging it up in open air without protective measures?
- **They are not going to transport everything elsewhere for processing, are they? (= mobility infarct + risks for humans & environment)**
- **Plasmatechnology:** fairy tale, nightmare?
- Remo is a **test case: so what if it goes wrong?**
- When is it all going to end? And how can we be **sure** of that? (or will 'someone' just adapt the permit according to the industrial need?)
- Any guarantee that site really will be left to nature after 20 yrs?
- **Energy balance:** worthwhile or sheer scientist's theoretical arrogance?
- **Hydrogen? Natural gas? Plasma? a BOMB?**
- **What will they do with the final fraction? (plasmarock, fly-ash, unprocessables, hazardous cocktails?)**
- **Independent judging of health and safety? A SEVESO-site by regulations?**



Health Impact

- 500 Ktonnes/Yr Waste-to-Energy = another form of incineration? Exhaust Limits absolute? Detection limits accounted for? Low enough? Pass = healthy???
- Any studies known about **ultra-fine dust**? And its **consequences**?
- **Baseline Measurement of current level of pollution in the bodies of local population?**
- **What is the EWS Early Warning System?**
- **Which part of population will be monitored c.q. safeguarded? And thus: who will NOT be...**



Social Impact

Local Community torn and divided – fierce emotions for and against



What's in it for the local community?

- nature? When - if at all realistic?
 - energy/power/heat? For whom?
 - jobs? How many FTE's? what kind of jobs?
 - financially? (Town, population?)
- Or is Machiels (once again) the only winner and the locals get the burden (again)?
- green energy? The tax-payer will 'gladly' invest, but others will happily harvest the return?

Traffic Impact

- During construction?
- During operation: 50-100 trucks per day extra on the nearby roads for semi-finished or w-t-m-product?
- **+ yet again incoming freight (high caloric waste, needed for constant plasma-feed?)**
- **Critized new-to-build highway (through natural reserve) absolutely necessary**

Communication & Follow-up

- Will all **questions** that were raised during locals meetings also be **examined and answered**?
- Will they also been taken into account and how?
- What is our continued involvement in this project after the Conference?
- How will the population get informed and when?

three years after their participation in the first international symposium

'Locals' torn between concerns and positivism

growing confidence between the actors, yet lots of questions still to be answered

CONTRIBUTORS: THE LOCALS - POSTER FOR LOCALS' SYMPOSIUM 2013, TRANSLATED FROM DUTCH



DE LOCALS

Think Global, Act Local



DE LOCALS

Think Global, Act Local

2- Dialogue



- Give an opportunity to **acquire insight** as well as **information & reflections**
- Using: technical education, Local research, company visits → **Scientifically based**
- Scientists, technology holders, knowledge institutions... and Group Machiels
 - **increase knowledge level**
 - **create confidence**
 - **lasting dialogue**