



**NATUral raw materials for specific
BARrier applications in
paper and board industry
NATUBAR**

**Project coordinator
Leon Joore,
Millvision b.v., The Netherlands**

29/09/2008Sheet nummer 1

project partners

- **Millvision b.v., The Netherlands**
- **Glycanex B.V., The Netherlands**
- **PTS, Germany**
- **Felix Schoeller, Germany**
- **HolzForschung Austria, Austria**
- **MayrMelnhof, Austria**

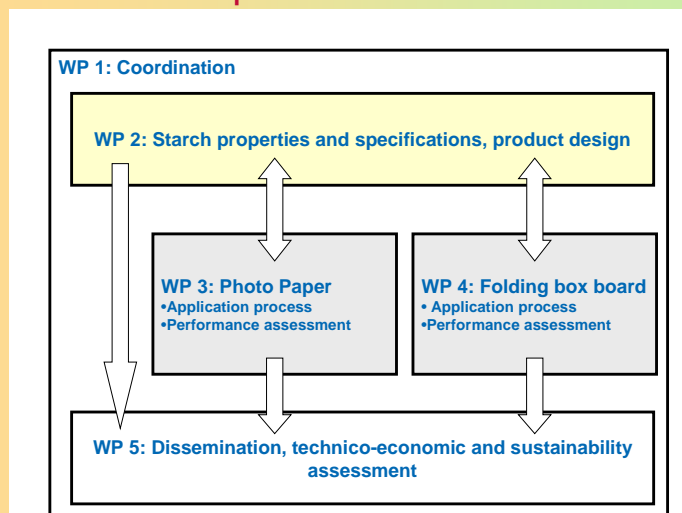
29/09/2008Sheet nummer 2

objectives

1. The development of natural based barrier polymers as alternative for synthetic polymers for barrier properties in photopaper and folding box board.
2. The assessment whether the application will be the best at the coating process (waterbased /size press) or as extrusion film for the papermachine. In parallel the best option for film extrusion will be examined.
3. Sustainability assessment of the natural barrier properties in both photopaper as well as folding box board

29/09/2008Sheet nummer 3

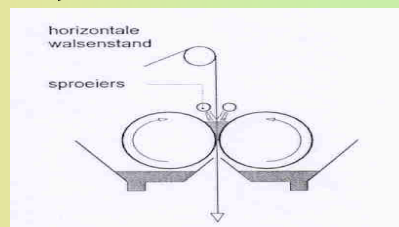
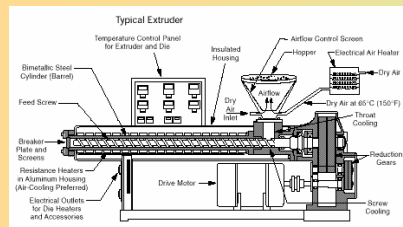
method / work plan



29/09/2008Sheet nummer 4

current project status

- **WP 1: Management**
 - Kick-off 020408
 - 2nd Meeting 051108
- **WP 2: Specifications (defined)**
- **WP 3+4: ongoing**
- **WP 5: project website open**
<http://www.millvisionweb.eu/natubar.htm>



29/09/2008Sheet nummer 5

expected results

- **Proof-of-concept on laboratory scale for both photopaper as well as folding box board**
- **Demonstration of concept for both processes on pilot-scale**
- **Technological, Economical, Sustainable assesment**

29/09/2008Sheet nummer 6



introduction of the speaker Leon P.A.A. Joore

Education

- B.Sc., Biochemistry (NL, 1988)
- PgD, Papertechnology (NL, 2004)
- M.Sc., Environmental Mngt. (UK, 1998)



Experience

- Timac b.v., Laboratory manager, (1989)
- TNO Industry (paper and board) Project manager (1990-2000)
- Millvision b.v., R&D&C director since 2001
- Millvision GmbH, Managing director since 2007

- Part-time lecturer; Dutch paper education insitute Vapa since 1995

Welcome@millvisionweb.eu

29/09/2008Sheet nummer 7