



ATKINSON

Rauchen kann tödlich sein

Frisco  
FULL FLAVOUR

Rauchen kann tödlich sein

GIANTS  
KING SIZE

Rauchen fügt Ihnen und den Menschen in Ihrer Umgebung erheblichen Schaden zu

TAWA  
No2  
SILVER

Rauchen fügt Ihnen und den Menschen in Ihrer Umgebung erheblichen Schaden zu

Winston  
BALANCED BLUE

Rauchen kann tödlich sein

GAULOISES  
Blondes

Rauchen kann tödlich sein

COUNT

Rauchen fügt Ihnen und den Menschen in Ihrer Umgebung erheblichen Schaden zu

B&H  
BENSON & HEDGES  
GOLD

Rauchen kann tödlich sein

Balance

Rauchen fügt Ihnen und den Menschen in Ihrer Umgebung erheblichen Schaden zu

PALL MALL  
FILTER  
FINE AMERICAN CIGARETTES

Rauchen kann tödlich sein

CAMEL  
SINCE 1913

Rauchen fügt Ihnen und den Menschen in Ihrer Umgebung erheblichen Schaden zu

PANAMA  
FILTER

Rauchen kann tödlich sein

BURTON  
ORIGINAL

Rauchen kann tödlich sein

TAWA  
No2  
RED

Rauchen kann tödlich sein

LUCKY STRIKE  
RED

Rauchen kann tödlich sein

PHILIP MORRIS

Rauchen kann tödlich sein

POLO

Rauchen fügt Ihnen und den Menschen in Ihrer Umgebung erheblichen Schaden zu

SMART  
AMERICAN BLEND  
FEINSCHNITT  
QUICK PACK  
FULL FLAVOUR  
30% PACK

Rauchen kann tödlich sein

Goldfield  
FULL FLAVOUR

Rauchen fügt Ihnen und den Menschen in Ihrer Umgebung erheblichen Schaden zu

RED  
FULL FLAVOUR

MARWIN

Rauchen kann tödlich sein

B-52  
AMERICAN BLEND

Rauchen fügt Ihnen und den Menschen in Ihrer Umgebung erheblichen Schaden zu

J.P.  
AMERICAN BLEND

Rauchen fügt Ihnen und den Menschen in Ihrer Umgebung erheblichen Schaden zu

American Club

Rauchen fügt Ihnen und den Menschen in Ihrer Umgebung erheblichen Schaden zu

MERIT  
FILTER

Rauchen fügt Ihnen und den Menschen in Ihrer Umgebung erheblichen Schaden zu

CABINET

Rauchen kann tödlich sein

BRANIGAN  
FULL FLAVOUR TOBACCOS

Rauchen kann tödlich sein

West  
Red

Rauchen kann tödlich sein

Goldfield

Rauchen fügt Ihnen und den Menschen in Ihrer Umgebung erheblichen Schaden zu

Marlboro  
FILTER CIGARETTES

Rauchen kann tödlich sein

L&M  
QUALITY AMERICAN BLEND

Rauchen fügt Ihnen und den Menschen in Ihrer Umgebung erheblichen Schaden zu

Cliff  
Filters

Rauchen kann tödlich sein

PRO  
AMERICAN BLEND No1 CIGARETTES

Rauchen fügt Ihnen und den Menschen in Ihrer Umgebung erheblichen Schaden zu

PALL MALL  
SMOOTH TASTE

Rauchen fügt Ihnen und den Menschen in Ihrer Umgebung erheblichen Schaden zu

REVAL  
Echt im Tabak

Rauchen fügt Ihnen und den Menschen in Ihrer Umgebung erheblichen Schaden zu

Slim Line  
RI

Rauchen fügt Ihnen und den Menschen in Ihrer Umgebung erheblichen Schaden zu

KUR MARK

Rauchen kann tödlich sein

**Development  
Of  
Technical Regulations  
Of Tar, Nicotine And Carbon Monoxide  
For Tobacco Products  
In  
The European Union  
In The Last Decade Till Today  
With Special Focus On Cigarettes**

Jürgen Hahn, CVUA Sigmaringen

**In 1990 the European Parliament regulated for the first time the maximum levels of cigarette smoke components.**

<b>Effective since</b>	<b>Directive</b>	<b>Tar</b>	<b>Nic. mg/cig</b>	<b>CO</b>
<b>31<sup>st</sup> Dec. 1992</b>	<b>1990/239/EC</b>	<b>15</b>	<b>--</b>	<b>--</b>
<b>31<sup>st</sup> Dec 1997</b>	<b>1990/239/EC</b>	<b>12</b>	<b>--</b>	<b>--</b>
<b>1<sup>st</sup> Jan. 2004</b>	<b>2001/37/EC</b>	<b>10</b>	<b>1</b>	<b>10</b>

# **EU-Directive**

## **Art. 1: Aim**

**The aim of this directive is to...**

- **adjust the laws, regulations and administrative provisions of the Member States concerning tar, nicotine and carbon monoxide yields of cigarettes and the warnings regarding health and other information to appear on packet units**
- **provide a basis of high level of health protection.**



# EU-Directive

## Art. 3: Maximum yields

- 1st January 2004
- Tar ceiling of 10 mg/cig.
- Nicotine ceiling of 1 mg/cig.
- Carbon monoxide ceiling of 10 mg/cig.
- Same limits for cigarettes exported from EU

# **EU-Directive**

## **Art. 4: Measurement methods**

- Tar: ISO standard 4387.
- Nicotine: ISO standard 10315.
- Carbon monoxide: ISO standard 8454.
- The accuracy of the tar and nicotine yields shall be verified with ISO standard 8243.

# **EU-Directive**

## **Art. 4: Measurement methods**

- The tests shall be carried out or verified by laboratories which are approved and monitored by the competent authorities of the Member States.
- Basis for approved laboratories (proposal)
  - certified in accordance to ISO 17025
  - to participate in routine tests; organised by authorities of the Member States or independent organisations.

# EU-Directive

## Art. 6: Further product information

- List of all ingredients by brand name and type.
- Data on ingredients in burnt or unburnt form as appropriate to their effects on health and taking into account inter alia addictive effects.



# What does the parties have to do?

EU guideline requires a  
„Harmonized data collection of tobacco product ingredients“

Obligation of

- tobacco industry to submit ingredient data
- regulators to control submitted data
- regulators to send a copy to EU Commission
- public dissemination of non-confidential data

Status:

Expected to the end of 2009 the Electronic Model Tobacco Control (EMTOC) is running for data transfer.

# What does the parties have to do? (cont.)

The regulatory bodies have the obligation to set up binding guidelines for measuring and evaluation of toxicological data

## Status

- For most additives in unburnt form: data are available in literatur.
- No binding guidelines for testing additives in burnt form are available. But research work for additives in burnt form is in process.
- Target: Use of international standardised test methods (ISO)

# **EU-Directive**

## **Article 7 Product descriptions**

Since 30. Sept. 2003 it is not allowed to use texts, names, or trademarks like “Low-Tar”, “Light”, “Mild”.

# **EU-Directive**

## **Article 9 - 11**

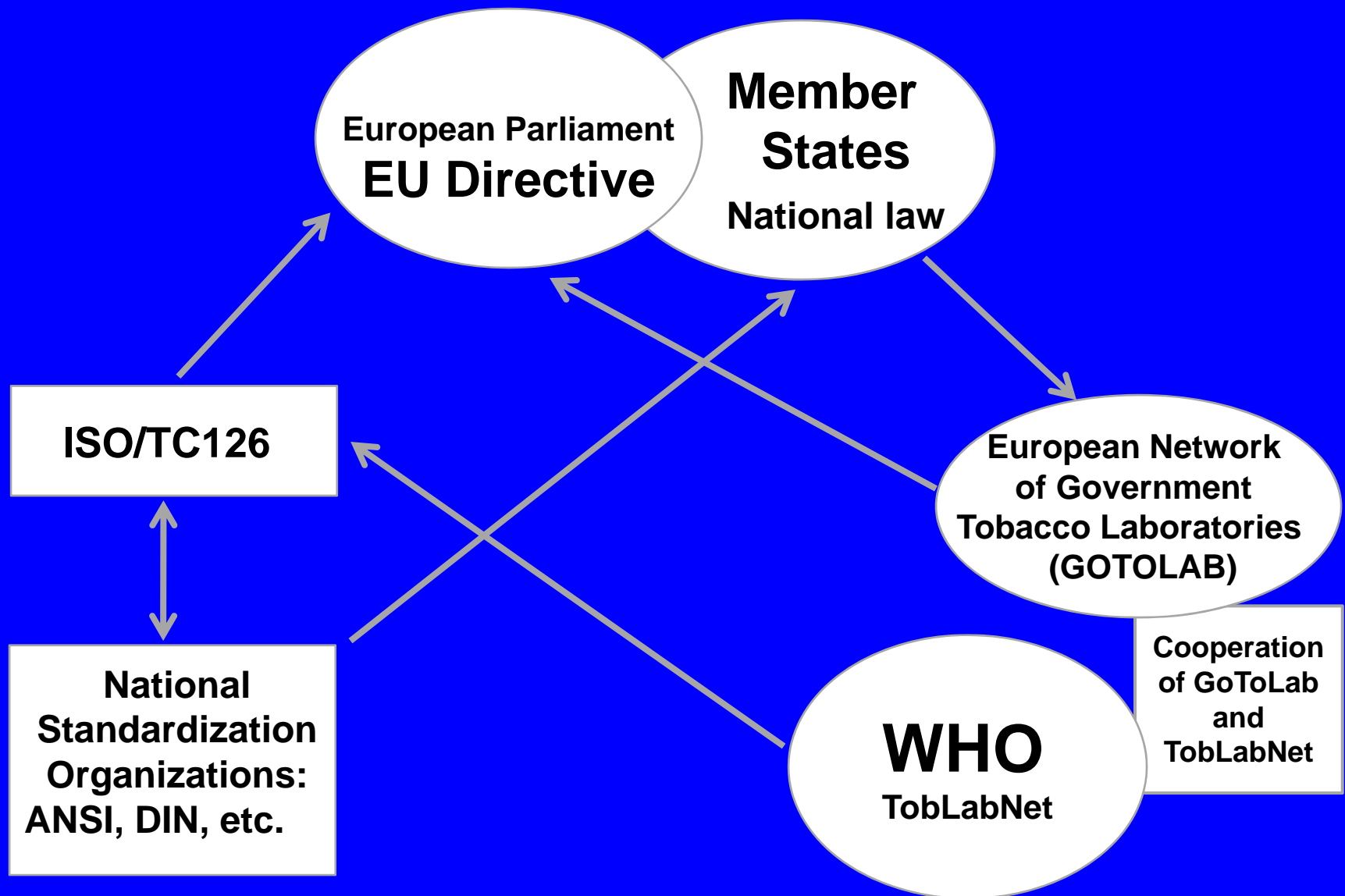
The Commission shall be assisted by experts

# **Summary**

## **EU Product Directive (Cigarettes)**

- **limits for 3 smoke constituents**
- **additional tests in the member states are possible**
- **size and position of smoke constituent labelling**
- **size and wording for warnings**
- **ingredients (disclosure, toxicological data unburnt/burnt conditions)**
- **prohibition of descriptors**

# Organizations involved in tobacco regulation



# EUROPEAN NETWORK OF GOVERNMENT LABORATORIES FOR TOBACCO AND TOBACCO PRODUCTS

## GoToLab

Establishment in 2002

In total 21 Member States have nominated representatives  
into GoToLab

Belgium  
Bulgaria  
Cyprus  
Czech Republik  
Finland  
France  
Germany  
Great Britain

Greece  
Hungary  
Ireland  
Italy  
Latvia  
Lithuania  
Netherlands  
Poland

Romania  
Slovak Reublik  
Slovenia  
Spain  
Sweden  
(plus EC, WHO and  
Switzerland)



## Aims of GoToLab

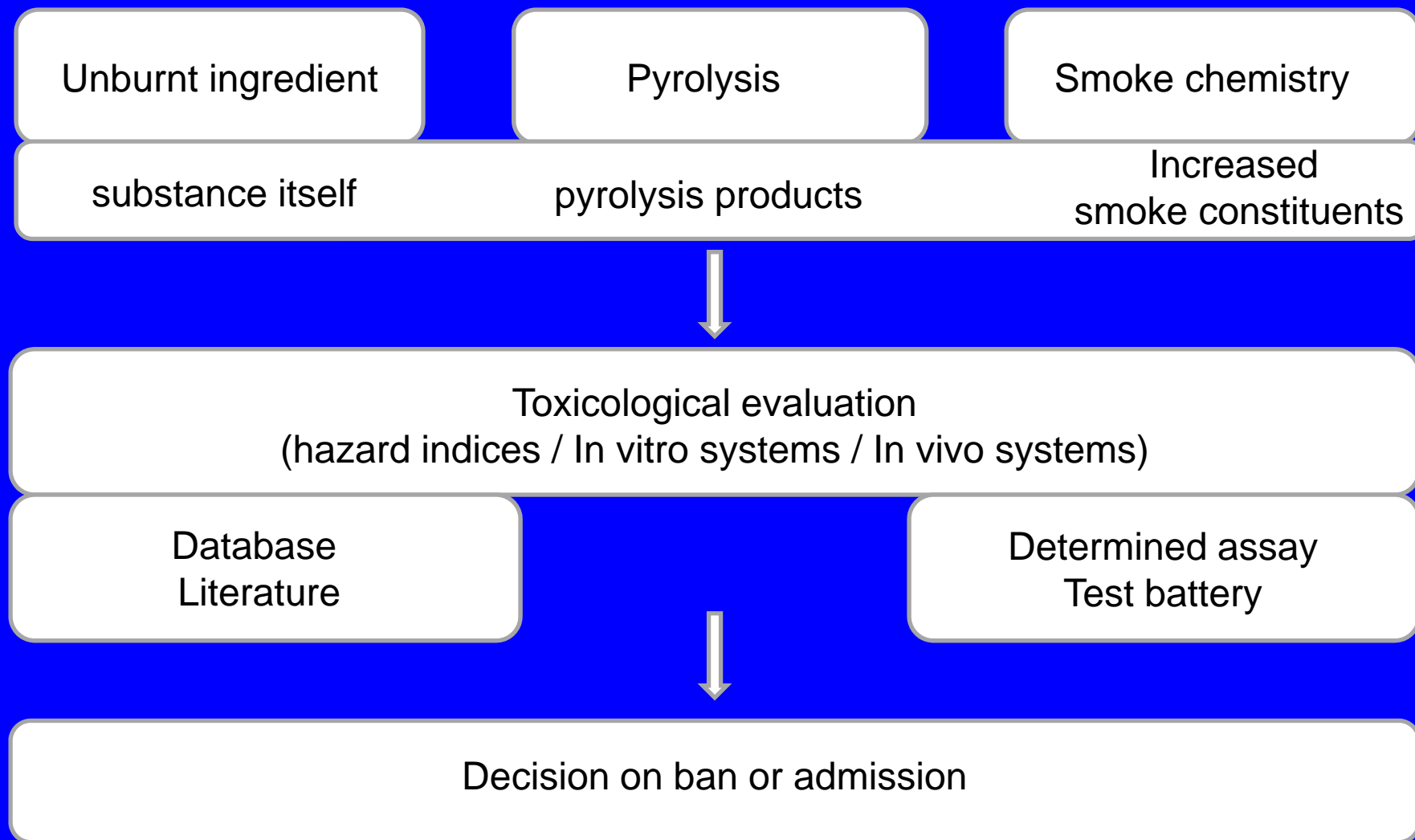
- Scientific support of European Comm. / Regulatory Committee
- Scientific collaboration between Government Labs in Europe
- Supporting of unexperienced Government Labs
- Collaboration of scientific experts
- Harmonisation of methods for smoke analyses
- Independent development of methods for smoke constituents other than tar, nicotine and carbon monoxide
- Independent development of methods for other tobacco products
- Support to and cooperation with WHO

# WHO “Tobacco Laboratory Network” (TobLabNet)

- established 2005
- testing and measuring tobacco products at the national level are essential to monitor compliance of tobacco products concerning their contents and emissions testing and disclosure obligations under the WHO Framework Convention on Tobacco Control (FCTC).
- similar to GoToLab on worldwide level

# The Evaluation of the Toxicological Data of Additives

## A Proposed Strategy?



# Cigarette regulation: A Proposed Strategy?

Determination of mainstream smoke constituents:

Acetaldehyde, Formaldehyde, Acrolein

1,3 Butadien, Benzene

NNN, NNK

Benzo(a)pyren

Hydrogene Cyanide

Hazard Indices

Limitation for the  
sum of the „Hazard  
Points“

Max. values for  
single substances

Additional requirements possible:  
To reduce the „Hazard points“ in a period of time



It was a pleasure  
and a great honour  
for me.

Thanks for your  
attention.