



CURRENT SITUATION IN CROATIA RELATED TO GMOs

MINISTRY OF HEALTH

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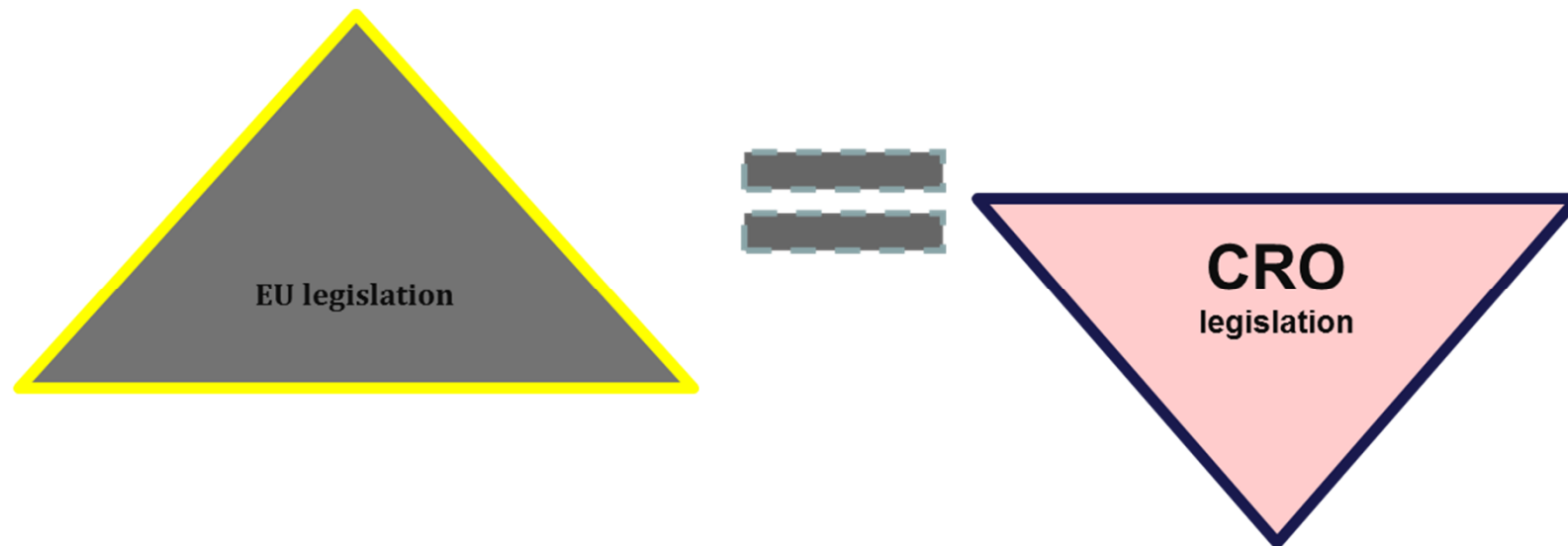
CONTENT

- LEGISLATION
- AUTHORITIES
 - COMPETENT
 - SCIENTIFIC BODY
 - RISK ASSESSMENT
 - CONTROL BODY
- OFFICIAL CONTROL
- CONCLUSION



LEGISLATION (1)

- Between 2005 and 2014 the EU legislation has been transposed into Croatian legislation





LEGISLATION (2)

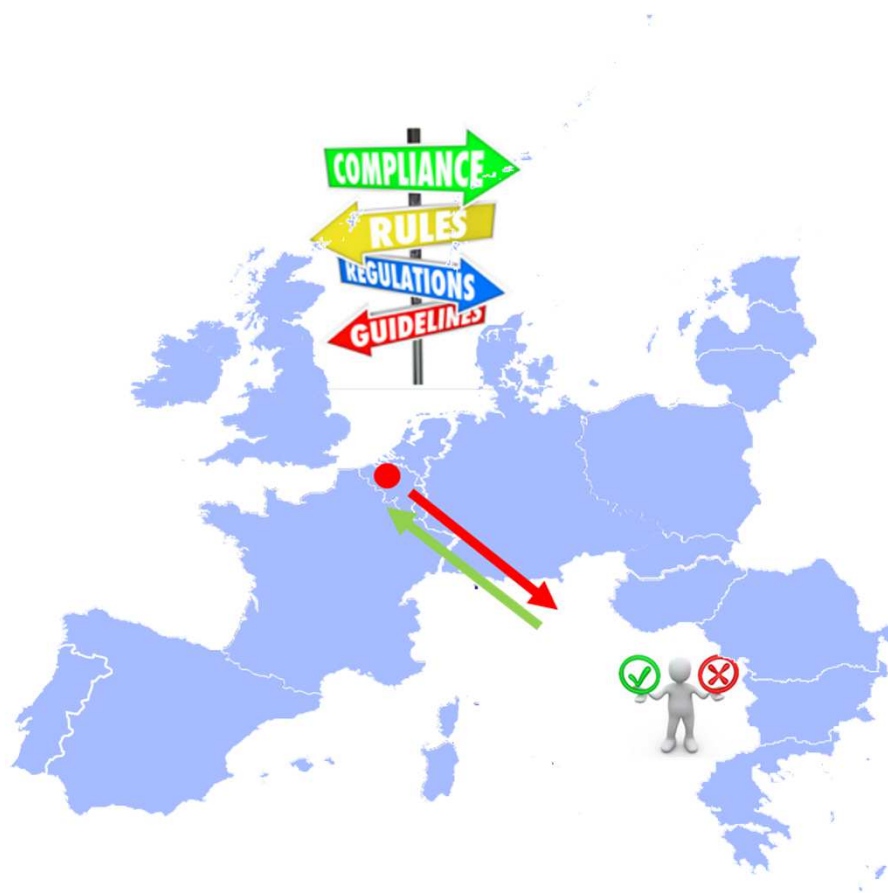
- *Directive (EC) No 18/2001 of deliberate release of GMOs into environment, which has been amending Directive of Council 90/220/EEZ Regulation (EC).*
- *Directive 2008/27/EC of the European Parliament and of the Council amending Directive 2001/18/EC on the deliberate release into the environment of genetically modified organisms, as regards the implementing powers conferred on the Commission.*
- *Directive (EC) 41/2009 of contained use of GMMs.*
- *Regulation No 1829/2003 of the European Parliament and of the Council of 22 September 2003 on genetically modified food and feed.*
- *Commission Regulation (EC) No 641/2004 of 6 April 2004 on detailed rules for the implementation of Regulation (EC) No 1829/2003 as regards the application for the authorization of new genetically modified food and feed, the notification of existing products and adventitious or technically unavoidable presence of genetically modified material which has benefited from a favorable risk evaluation.*
- *Regulation (EC) No. 1830/2003 of the European Parliament and of the Council of 22 September 2003 concerning the traceability and labelling of genetically modified organisms and the traceability of food and feed products produced from genetically modified organisms and amending Directive 2001/18/EC.*



LEGISLATION (3)

- *Commission Regulation (EC) No 65/2004 of 14 February 2004 establishing a system for the development and assignment of unique identifiers for genetically modified organisms, having regard to Regulation (EC) No 1830/2003 and in particular Article 8.*
- *Regulation (EC) 1981/2006 of 22 December 2006 on detailed rules for the implementation of Article 32 of Regulation (EC) No 1829/2003 of the European Parliament and of the Council as regards the Community reference laboratory for genetically modified organisms*
- *Regulation (EC) 1946/2003 OF 15 July 2003 of trans boundary movement genetically modified organisms.*
- *Regulation 619/2011 about feed.*
- *Commission recommendation (EC) 787/2004 on technical guidance for sampling and detection of GMO s and material produced from genetically modified organisms as or in products.*
- *Commission recommendation 556/2003/EC on guidelines for development of national strategies and best practice to ensure the coexistence of genetically modified crops with conventional and organic farming.*
- *Commission Decision: 50.*

LEGISLATION (4)



CARTAGENA PROTOCOL

- protocol of biosafety (Official Gazette 7/2002)
- first international agreement dealing with problems of cross border transport, management and use of modified organisms
- The Republic of Croatia ratified this protocol in May 2002



LEGISLATION (5)

- **ACT on GMO** (Official Gazette, 70/2005, 137/2009, 28/2013 and 47/2014), adopted at the Croatian Parliament session on the 20 May 2005-Directive (EC) 2009/41 and Directive (EC) 2001/18.

General provisions:

- regulates handling of GMOs,
- Trans-boundary movements of GMOs,
- handling of products that contain and/or consist of, or derive from GMOs,
- contained use of GMOs,
- deliberate release of GMOs into the environment,
- placing GMOs and products that contain and/or consist of or derive from GMOs on the market,
- handling, transport and packaging of GMOs,
- handling the waste produced by the use of GMOs,
- responsibility for the damage caused by the unauthorized use of GMOs,
- bodies responsible for the enforcement of this Act,
- exercising administrative and inspection supervision of the enforcement of this Act.



LEGISLATION (6)

- ❑ **Food Act** (Official Gazette, 81/13 and 14/14)

- ❑ **Act of performing official controle**
 - Ordinances - 15 +4+4
 - Regulation - 2
 - Commission Decision - 52



AUTHORITIES - COMPETENT

Ministry of Health

- GM food no animal origin in production, import, on market, official control of contained use.
- The central and coordinating body for performing activities related to GMOs (Act on GMOs; Articles 3, 4).

Ministry of Agriculture

- The main body responsible for food safety, GM feed, seed, forestry, GM food of animal origin

Ministry of Science, Education and Sport

- contained use

Ministry of Environment and Nature Protection

- The main body responsible for deliberate release

Croatian Food Agency

- giving scientific opinion, founded 2005.

AUTHORITIES – SCIENTIFIC BODIES

The Council for GMOs – the first scientific council was established in 2008 and it was consisting of 17 members

Duties:

- monitoring status and development in the field of genetic technology and use of GMOs,
- monitoring of professionally-scientific achievements and giving opinions about social, ethic, technical and technological, scientific issues of GMOs use,
- to give advice to competent bodies about questions of use of GMOs and genetic technology,
- to inform the public about the status and development in the field of genetic technology and use of GMOs,
- They are in charge to nominate two Committees on the bases of the proposal of the competent bodies (**Committee for contained use and Committee for deliberate release of GMO s in environment.**)



AUTHORITIES – RISK ASSESSMENT

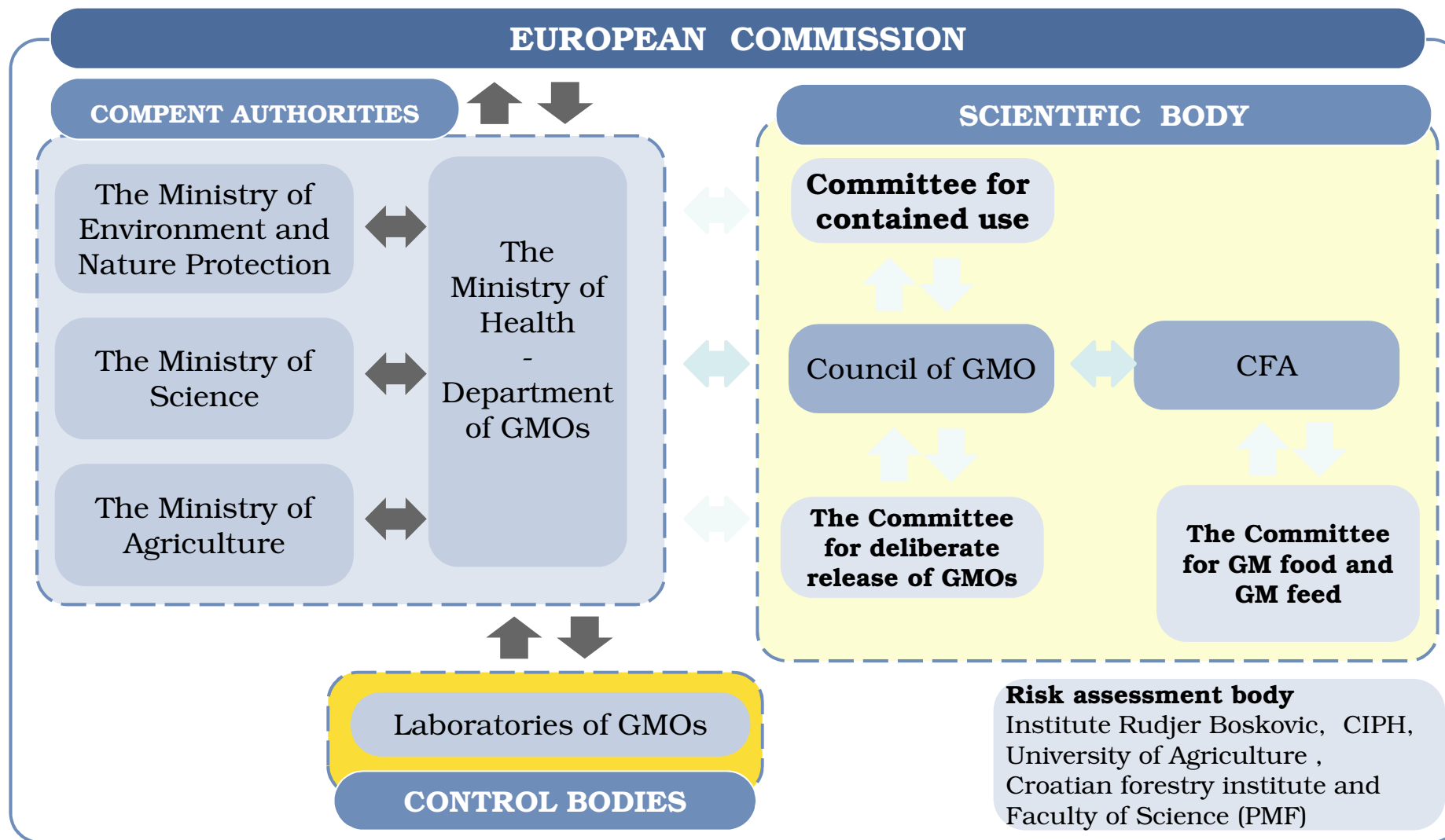
For deliberate release of GMOs	For food and feed
Institute of Rudjer Boskovic	Croatian National Institute of Public Health (CIPH)
Croatian Forestry Institute	Institute of Rudjer Boskovic
University of Agriculture	
Faculty of Science (PMF)	



AUTHORITIES - CONTROL

OFFICIAL LABORATORIES (2):

- two authorized laboratories - laboratory for testing, control and monitoring of GMOs and products which contain GMOs, has been established in Croatian National Institute of Public Health and Institute for seed and seedlings,
- have been accredited according to HRN EN ISO/IEC 17025 standard,
- are in European network of GMOs (ENGL),
- CNIPH has been authorized as the National reference laboratory in 2013.





OFFICIAL CONTROL

Performed according to the GMOs act , Regulation (EC No 882/2004, Annex of Directive 41/2009 and other specific regulations (Sanitary Inspection Act, Veterinary act, Act of seeds, Act of nature protection etc.)

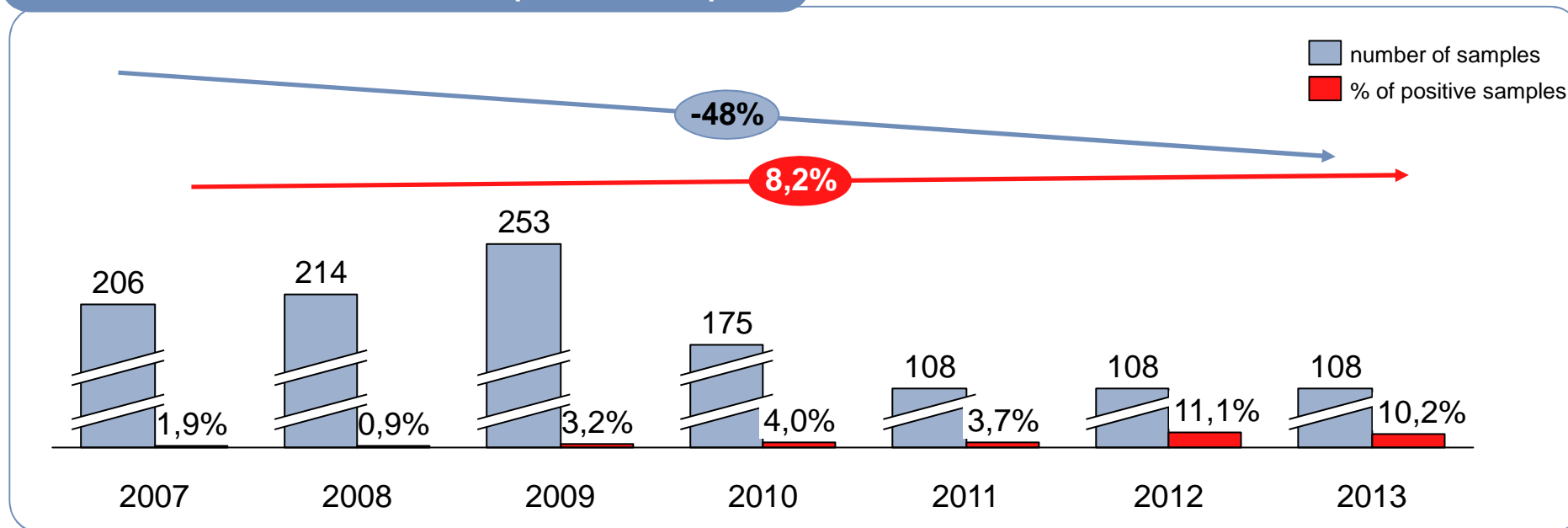
Consists of:

- inspectoral control,
- monitoring,
- sampling and analysis,
- examination of declarations, documentation and official records.

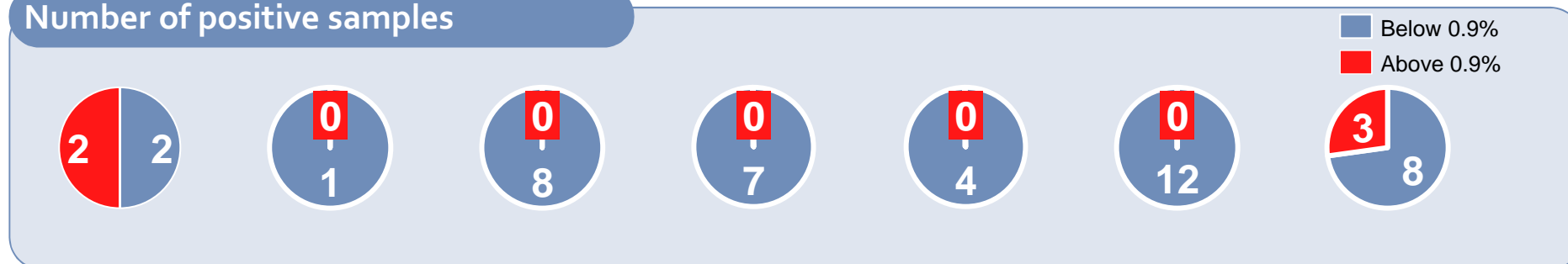
Competent inspection:

- sanitary and border sanitary inspectors of MH, veterinary inspectors and border veterinary inspectors MA,
- agricultural inspectors, nature protection inspectors.

The share in the total number of positive samples



Number of positive samples





CONCLUSION

- ❑ Taking everything into account we can point out that, as the planted soil of GMOs has been increasing in the world, the number of positive GMOs samples has also been increasing in Croatia,
- ❑ however , Croatian soil is still without any GMOs seeds ,
- ❑ 3 controlled systems have been applied in the second level of risk assessment,
- ❑ official controls were and have still been conducted,
- ❑ It will be necessary to ratify Nagoya Kuala Lumpur protocol
- ❑ By the end of 2015 the new framework of the article 26 of Directive 18/2001 will have been able to protect Croatia from the possible cultivation of GMO



Republic of Croatia
Ministry of Health



Ministry
of Health

For health. Together.

Thank you for your attention!