

Panel Discussion 4:
BALANCING DATA AVAILABILITY AND NEED
TO KNOW;

Data protection, availability of information to
researchers and best practices

Type of Exclusivity

Details / Examples

Specific Market Factors

e.g. not attractive from profit side?
// Combivent® (CFC) USA?

Know How Exclusivity

depends on technology / Catapres TTS / Respimat® ?

Regulatory Exclusivity

- data protection
- market exclusivity
- re-examination periods

Concerns originator exclusivity periods with regard to a third party's generic marketing authorization application referencing the same.

Patent Exclusivity

- SPC / PTR (PTE)
- Ped. exclusivity

Technical IP: Only available for technical inventions.

The patent allows its owner to forbid another persons to use his invention.

Originator Exclusivity Periods*

- Regulatory exclusivity was designed to promote a balance between new drug innovation and generic drug competition.
- Drug regulatory authorities cannot rely upon the originator's test data for an approved drug product in order to approve generic applications during a pre-determined period of time**
- Applies automatically, no application necessary, no fees

Basis: TRIPS/ Section 7

** <http://www.cptech.org/publications/CPTechDPNo1TestData.pdf>

Two types of “Protection Periods“ may be distinguished

Data Exclusivity (DE)

Period during which Regulatory Authority will not process a generic MAA that references originator’s data.

Such generic MAA must be submitted after end of said data exclusivity period.

Regulatory Authority review follows thereafter.

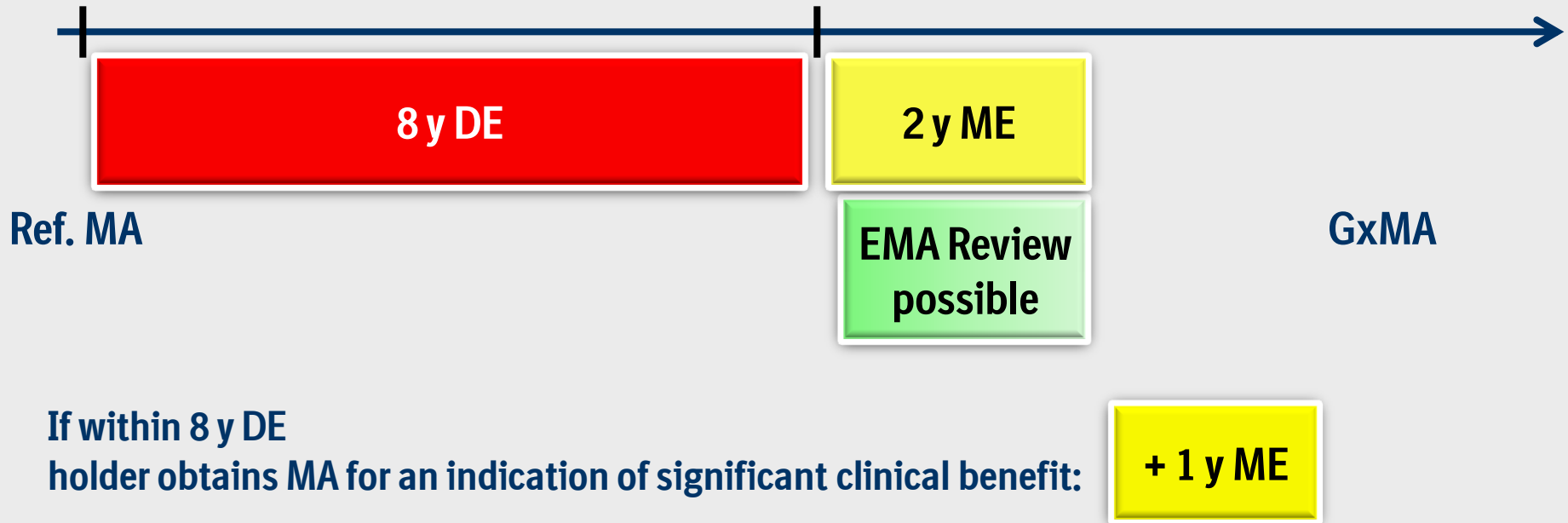
Market Exclusivity (ME)

Period during which applicants for a generic product cannot market their product.

Europe: market exclusivity follows data exclusivity period



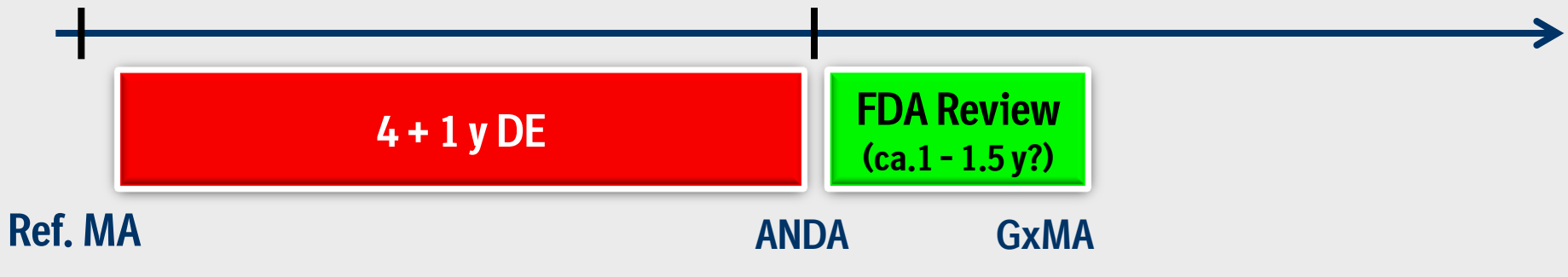
Reg. Exclusivity period Europe: Example NCE



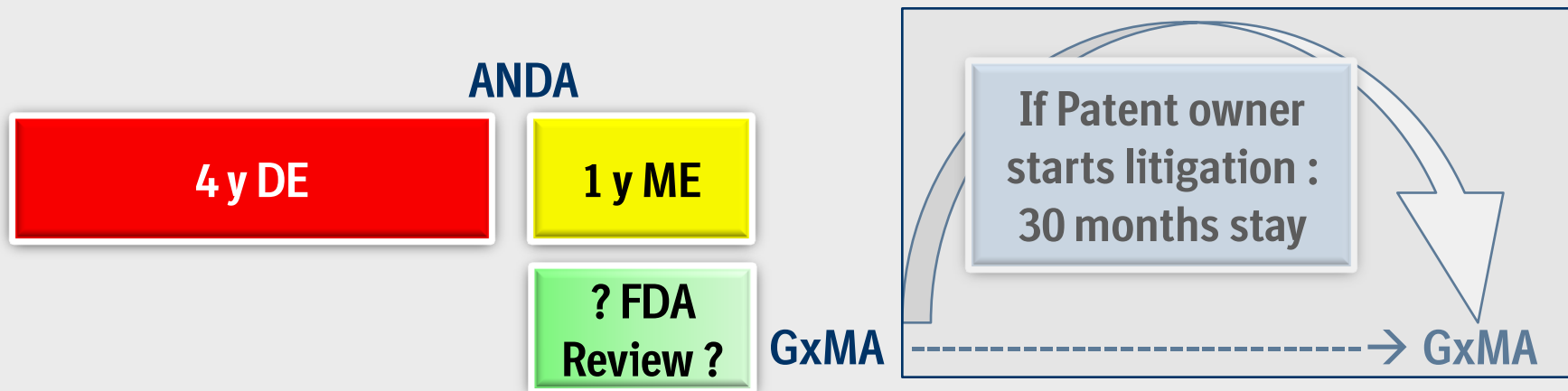


Reg. Exclusivity period US: Example NCE

Scenario 1: Orange Book **does not list** patent rights 4 years post MA- ANDA Paragraph I Cert.



Scenario 2: Orange Book **lists** patent rights 4 years post MA - ANDA Paragraph IV Cert.



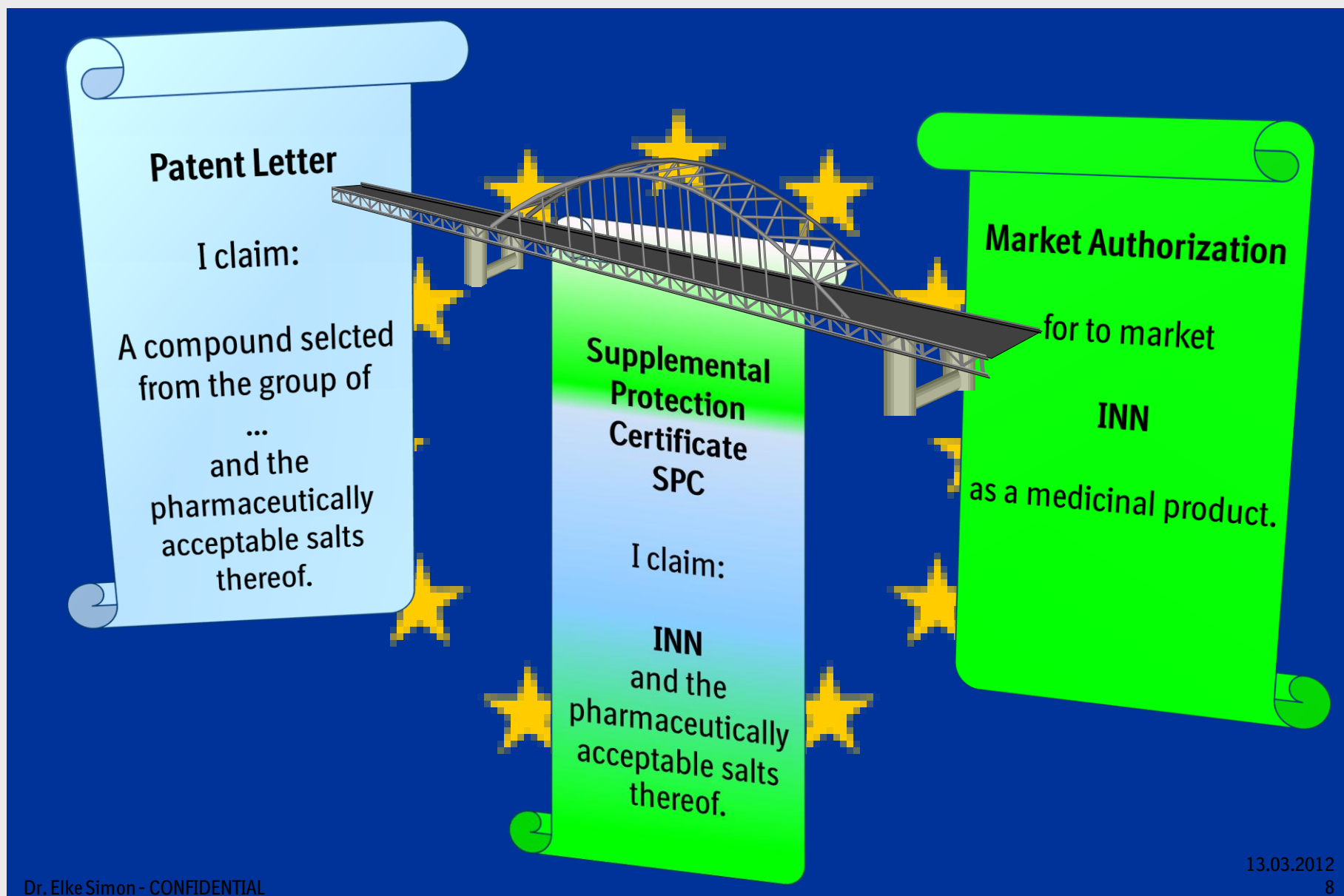
NMEs

Europe	Σ_{\max} 11 y NMEs	8 y DE + 2 y ME + 1 y ME
USA*	Σ_{\max} 5.5 y NCEs	NCE: 5y DE, opt. + 0.5 PE ANDA: 4 y DE + 1 y ME; opt. + PE that adds on 4 y term

* Possible patent litigation and 30 months stay not considered

* FDA review period not considered

Japan	Σ_{\max} 8 - 10 y NMEs	re-examination* after 8 y (10 y if pediatric data provided), exact time is set by Health Authority <i>* re-examination: Health Authority „revisits“ the review process</i>
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- is a **national** right *sui generis*
- requires an existing MA
- is a „supplemental“ patent-like right for a marketed drug product
- same rights as patent but limited to authorized API(s) – to the extend (specifically) covered by patent
- is limited to a term of max. 5 years

A fictive mind set which helps understanding SPC term calculation

An innovate new drug development starts with filing a patent application.

Development is finished if new drug product is Authorized for Marketing.

⇒ **Patent filing date and MA are corner stones of a new drug development.**

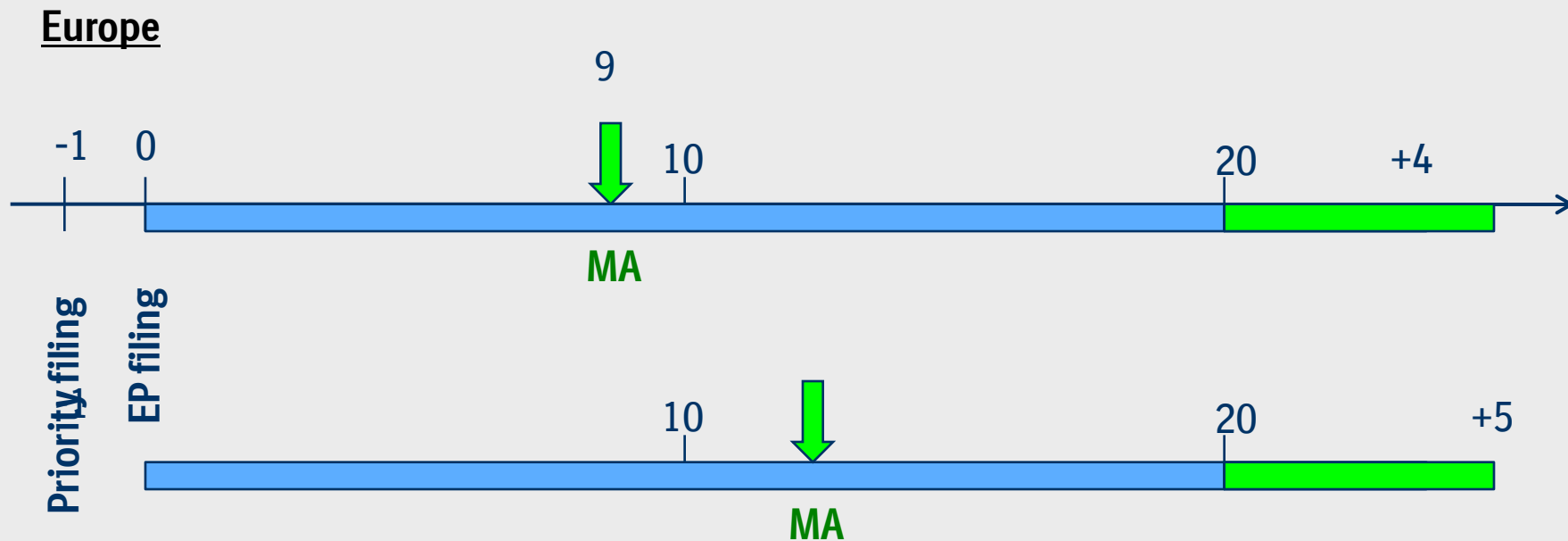
Five years of development are no undue burden for the pharmaceutical industry.

⇒ **Compensation of time only, if development exceeds 5 y.**

Post- MA exclusivity shall not exceed 15 years (15.5 years if ped. exclusivity is considered)

A maximum compensation of 5 years is sufficient.

⇒ **Term of compensation must not exceed 5 y.**



$$\text{SPC} = \text{Date of MA} - \text{Patent Filing date} - 5 \text{ years}$$

(maximum 5y)

The request for Marketing Authorisation (MAA) in Europe requires:

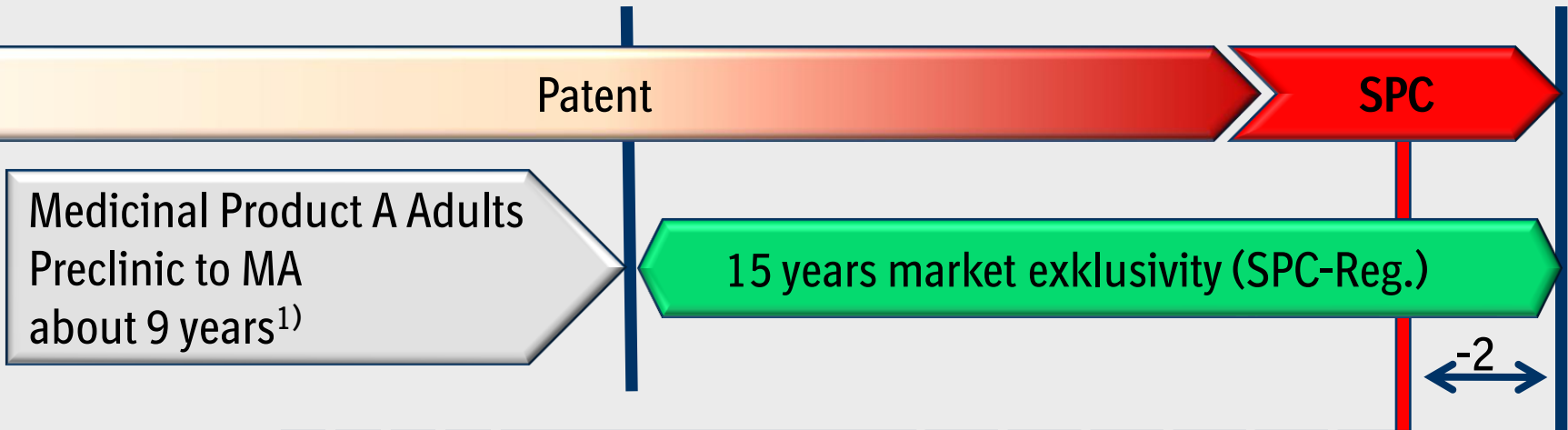


- a Pediatric Investigation Plan (PIP)
- which is to be negotiated and agreed with the European Medicines Agency (EMA),
- which is ethically justified,
- which concerns the pediatric population aged between birth and 18 years.

Rewards and incentives for the applicant:

Patent- / SPC protected medicinal product: option on a six-months SPC extension

From a development project to a market product – Patents, SPC & pediatric Extension



Specific caveat:

Medicinal Products, which have been authorized prior to obligation to conduct ped. trials in accordance with Art. 8 EC-Reg. 1901/2006

Due Date SPC Extension

1) VfA, Forschung für das Leben, S. 30, 2009

THANK YOU