

**UNITHER**  
PHARMACEUTICALS

SINGLE BEST WAY TO DELIVER

**EMA/CHMP SCIENTIFIC ADVICE**  
**ANALGESIC FIXED DOSE COMBINATION**

BIOBRIDGES PRAGUE / 26-27th Sept. 2019

- Nathalie MASSON / Innovation & Development Director-

Sept. 26, 2019



# UNITHER IN A NUTSHELL



## CONTRACT DEVELOPMENT & MANUFACTURING ORGANIZATION

*Focused on key pharmaceuticals niches*



## INDEPENDENT COMPANY

*36% owned by management /  
64% private equity funds*



## GROWING COMPANY

*€286 million in 2018 and  
1,332 employees*



## GLOBAL COMPANY

*Industrial footprint in 3  
continents  
Products sold in more  
than 100 countries (USA  
/ China / etc. )*



## WORLDWIDE LEADER ON BFS TECHNOLOGY

*2.6 billion doses  
manufactured in 2018*



## NEW ODTECH® PLATFORM FOR READY-TO-USE ORAL FORMS

*Liquid/Powder stick-packs,  
Orodispersible tablets, Buccal  
Trans-mucosal*

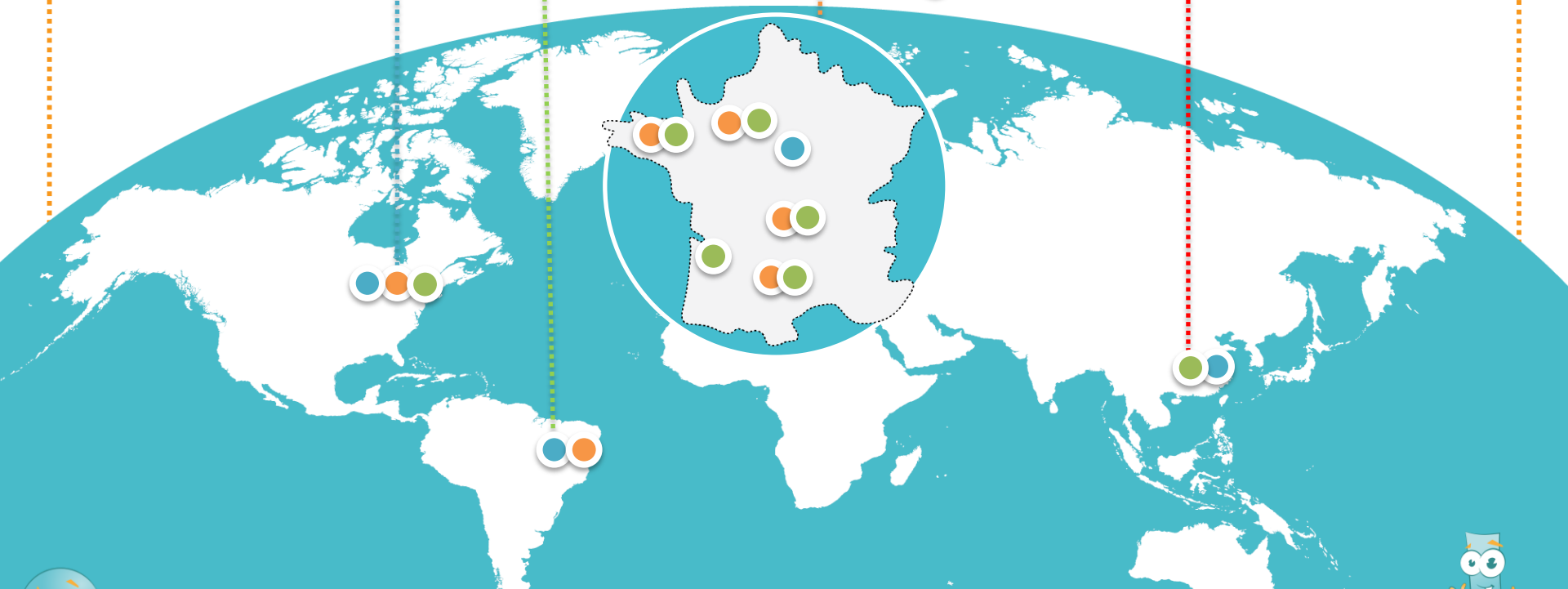
# GLOBAL ORGANIZATION

**USA**  
Rochester, NY

**BRAZIL**  
Barretos  
Sao Paulo

**FRANCE**  
Amiens  
Bordeaux  
Colomiers  
Coutances  
Gannat  
Paris

**CHINA**  
Wuhan



 Production

 Commercial Office

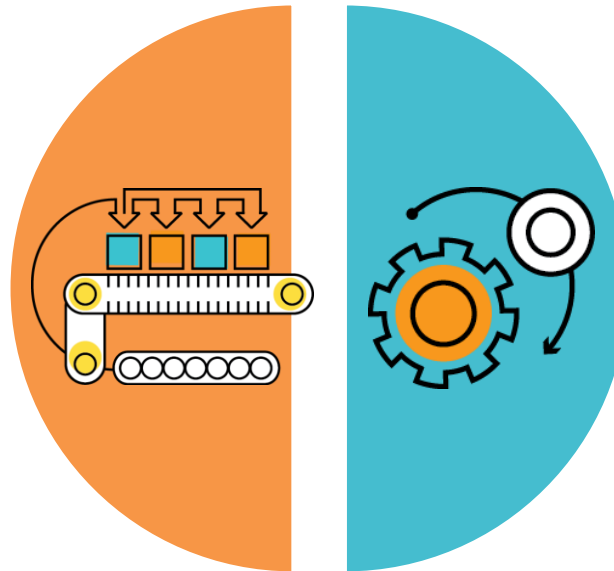
 Innovation & development



# UNITHER BUSINESS MODEL

## Dual Business model

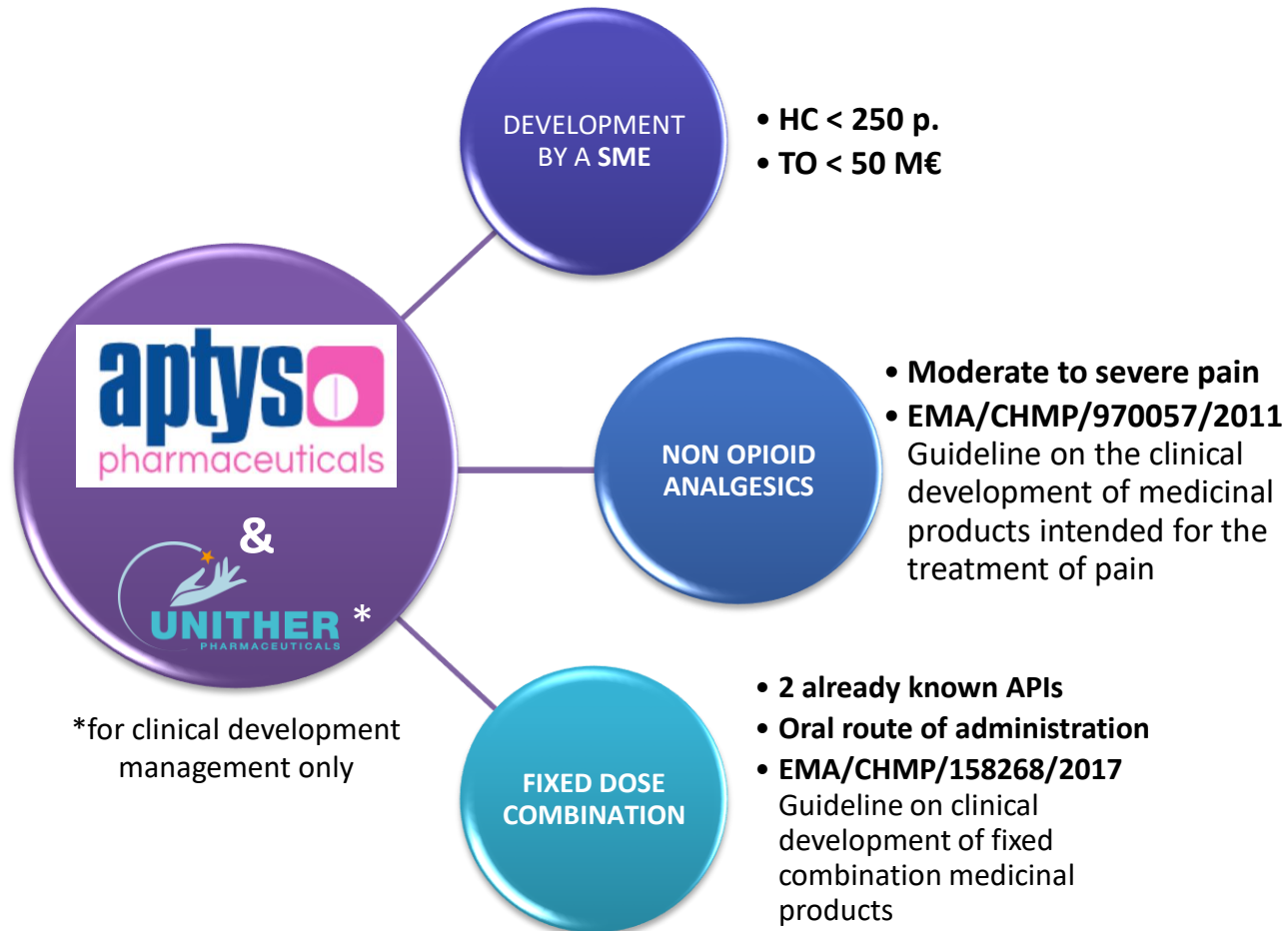
**Contract Development  
& Manufacturing Organization**  
*for strategic outsourcing |*



**Turn-key products  
& Dossiers**  
*| for licensing in*



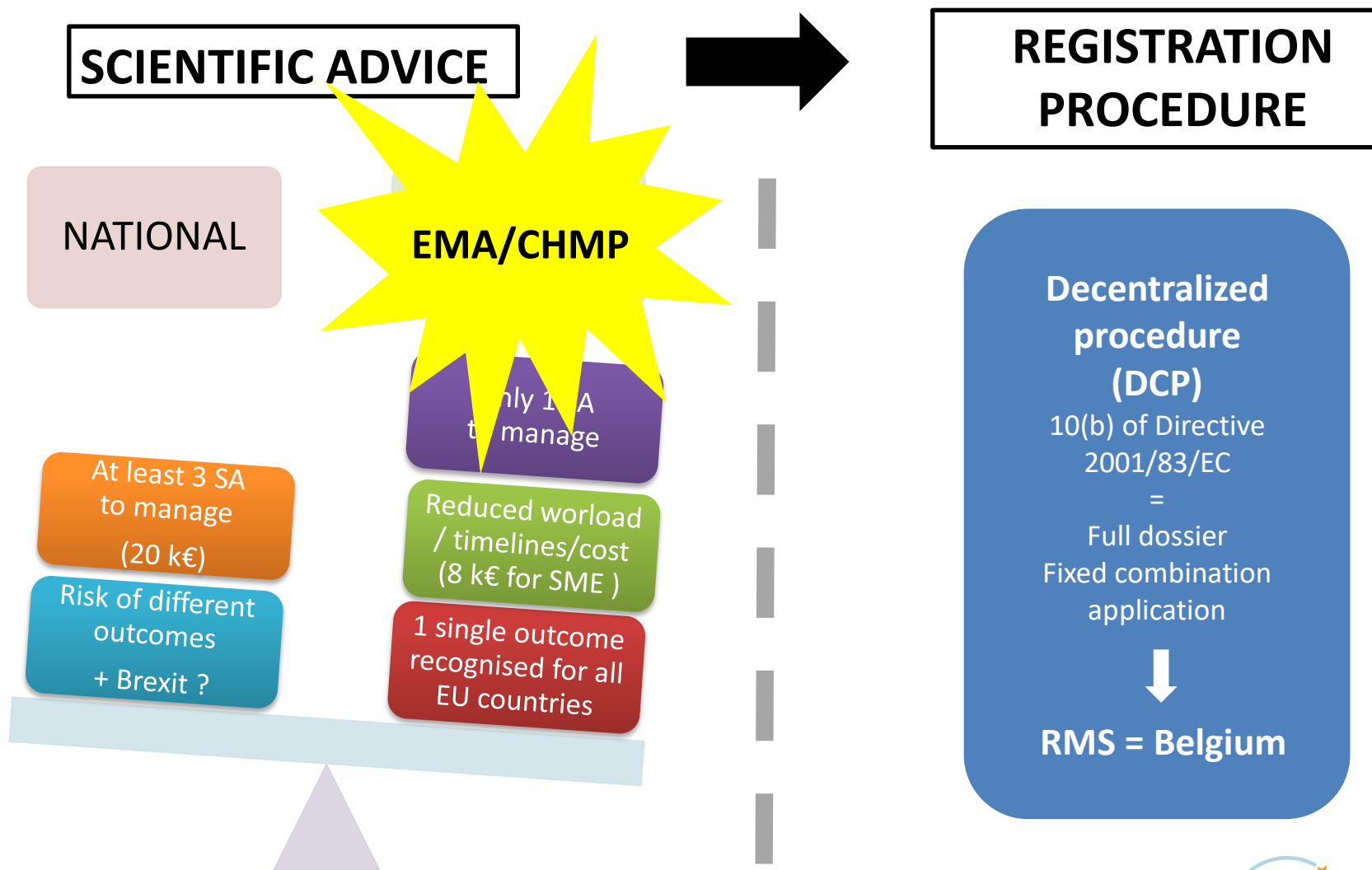
# NEW PRODUCT DEVELOPMENT CONTEXT



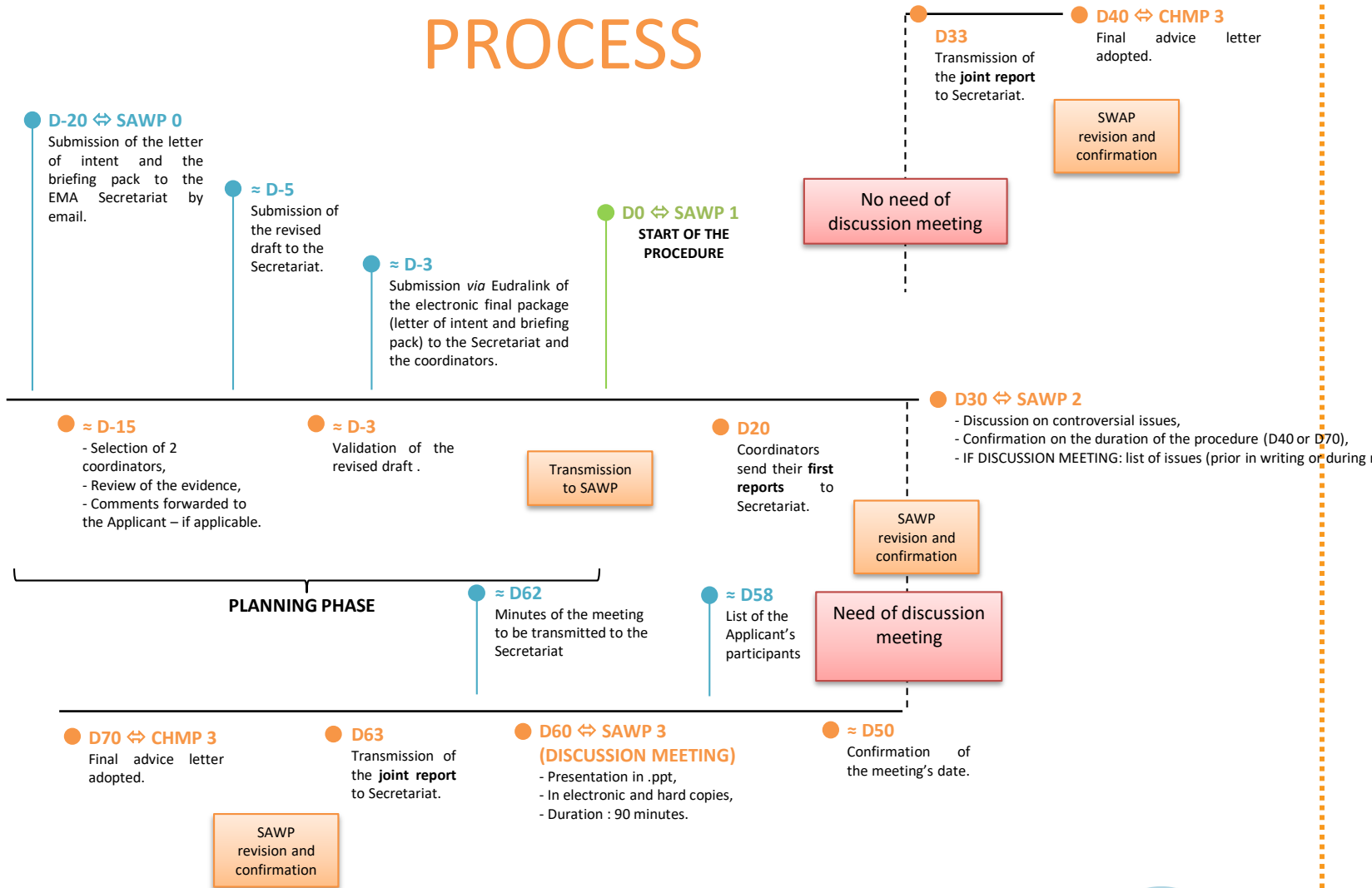
# WHO PAIN LADDER

|   |  |   |   |   |   |
|---|--|---|---|---|---|
| <b>STEP 1</b><br>Mild pain                  | <u>Optional adjuvant</u><br>(NSAIDs including COX-2 inhibitor) | + | <u>Non-opioid</u><br>(such as paracetamol or aspirin) | - | -   |
| If pain persists or increases, go to step 2 |  |   |   |   |   |
| <b>STEP 2</b><br>Moderate pain              | <u>Optional adjuvant</u><br>(NSAIDs including COX-2 inhibitor) | + | <u>Non-opioid</u><br>(such as paracetamol or aspirin) | + | <u>Weak opioid</u><br>(codeine, dihydrocodeine or tramadol)   |
| If pain persists or increases, go to step 3 |  |   |   |   |   |
| <b>STEP 3</b><br>Severe pain                | <u>Optional adjuvant</u><br>(NSAIDs including COX-2 inhibitor) | + | <u>Non-opioid</u><br>(such as paracetamol or aspirin) | + | <u>Strong opioid</u><br>(morphine, diamorphine, fentanyl, buprenorphine, oxycodone, or hydromorphone) |
| Freedom from pain                           |  |   |   |   |   |

# REGULATORY APPROACH

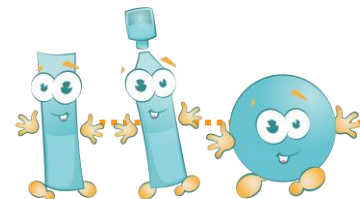


# EMA/CHMP SCIENTIFIC ADVICE PROCESS





# SCIENTIFIC ADVICE CONTENT



- **Objective**

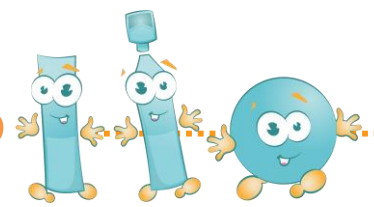
To receive feedback on the proposed development plan of the FDC in the treatment of moderate to severe pain and specifically on the proposed phase III clinical trial

- **EMA position requested on:**

- ★ acceptance that non-clinical studies are not required
- ★ acceptance on the proposed phase III study :
  - *study design*
  - *proposed baseline pain score*
  - *proposed primary and secondary endpoints*
  - *choice of statistical hypothesis*
  - *acceptance of the proposed rescue medication*
- ★ sufficiency of the proposed clinical studies and results to support the MAA
- ★ proposed indication and posology

Paediatric questions not included, subject to a separate advice (PDCO)

# OUR FEEDBACK ON EMA/CHMP SCIENTIFIC ADVICE PROCESS

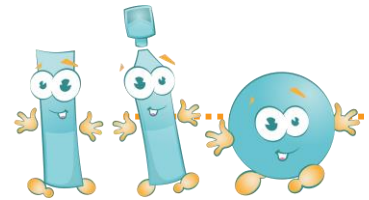


- Very clear process
- Defined calendar & timelines
- Easy submission through Eudralink
- Acknowledgement of receipt at each step
- Some clarifications requested in written
- Request to provide all literature references in English
- No discussion meeting needed
- Report received on time



**No visible impact of EMA transfer from UK to NL !**

# OUR FEEDBACK ON EMA/CHMP SCIENTIFIC ADVICE ANSWERS



- **Positive comment on the product itself**
  - ★ « CHMP agrees that there could be a place for this FDC »
- **Existing data on each API not sufficient to justify the FDC**
  - ★ Dose/ratio to be further justified
  - ★ Bridging toxicological package with FDC + ERA to be provided
- **Clear recommendations on toxicological studies to be performed**
- **Clinical phase III study**
  - ★ Pain model, criteria of inclusion, end points, rescue : accepted
  - ★ Study design challenged : control groups, comparators strength, duration
- **Clinical program to be extended with different pain models to obtain the full pain relief indication**
  - ★ Extrapolation from one pain model (somatic) to other types of pain (visceral and chronic) not accepted, even if included in current RCPs

# NEXT STEPS

- **Follow-up answers**

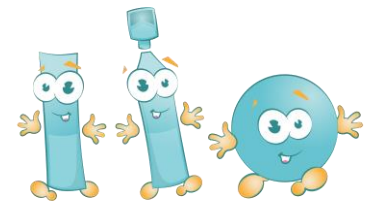
- ★ 1st set of answers (2019)

- *Provide toxicological studies protocols as recommended*
- *Provide additional arguments to better justify the proposed dose/ratio*
- *Propose a revised tighter indication*

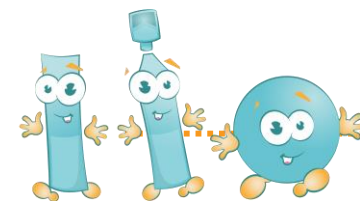
- ★ 2nd set of answers (2020)

- *Provide revised phase III study design*

- **Implementation of all studies after endorsement by EMA/CHMP**



# TAKE AWAY MESSAGES



- ✓ **Seek advice at the very beginning of the development of a new product**
  - > don't wait for pharmaceutical development completion
  - > some activities (tox.) can be anticipated and handled in parallel
- ✓ **Be careful with guidelines evolution**
- ✓ **Be transparent on what you plan to do and your rationale**
- ✓ **Take advantage of recommendations to ensure receivability of the final registration dossier (even if not binding)**
- ✓ **Define which Health Authorities you will approach for SA according to your product specificities**

