

# **EDQM Inspection programme**

- Mandate given to EDQM by the European Commission to establish an annual programme for inspections (based on EU Directives 2001/82/EC and 2001/83/EC on Compilation of Community Procedures on inspections and exchange of information as amended)
- Inspections performed inside and outside Europe



# **EDQM Inspection programme**

- Integral part of the Certification Procedure
- Involving manufacturing sites and brokers/distributors holding CEP(s)
- Performed before or after the CEP is granted
- · Aim: to verify the compliance with
  - ✓ submitted CEP dossier
  - ✓EU GMP Part II & any applicable annex such as 1 for sterile substances, 11 for computerised systems etc.
  - ✓ Ph. Eur. in general





# The EDQM inspection programme

- Drafted in accordance with the EU Compilation of community procedures
- Risk-based approach for the selection of sites eligible to be inspected by EDQM
- Circulation of draft programme to the EU/EEA
   Member States and presentation to the GMP/GDP
   Inspectors Working Group at EMA for discussion
- Adoption by the CEP Steering Committee & circulated to EU/EEA Member States

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#### Risk-based selection of the sites

- Request from the assessors: inconsistencies in the data, suspicion of data manipulation
- <u>Re-inspection</u>: depending on the compliance level after initial inspection, or after CEP suspension when requested
- <u>API related criteria</u>: physico-chemical properties, therapeutic use, sterility etc.
- <u>Company related criteria</u>: information from other authorities (i.e. from inspection) or other suspicions
- Regulatory environment of the manufacturing site
- Several triggers involved





# How does the procedure work

- Inspection team: one inspector from EDQM and one from an EU/EEA/MRA authority (or from WHO, USFDA in case of joint inspection)
- Initial inspection report: issued within 6 weeks.
- Company's reply to the deficiencies (CAPA): within one month after the report - should be fully documented and reflect actual measures in place
- Request for revision of CEP in case of discrepancies to the dossier

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# **Inspection Outcome**

- Company quoted as compliant, borderline or non compliant according to the inspection results
- Borderline status is provisional: assessment of CAPA
  - -> upgrade to compliant
  - -> or downgrade to non-compliant
- Compliant companies may be reinspected / reevaluated within 2-5 years (depending on the numbers and classification of deficiencies found)







- If inspection conclusion positive
  - + satisfactory evaluation of the submitted CAPA
  - + any expected CEP revision submitted: Attestation of inspection delivered by EDQM, stating the compliance with the CEP and with GMP.
- GMP Certificate should be issued by the EEA participating Inspectorate via the EUDRA GMDP database (public information).

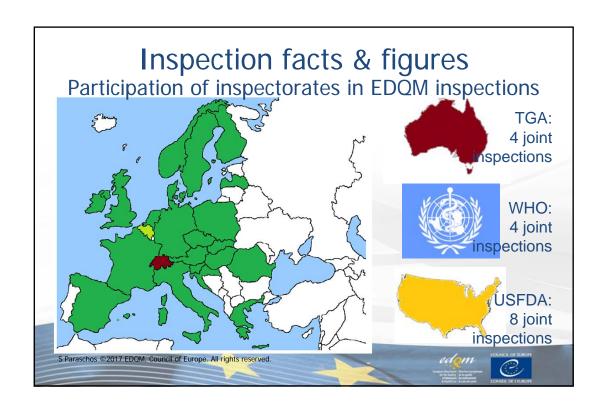


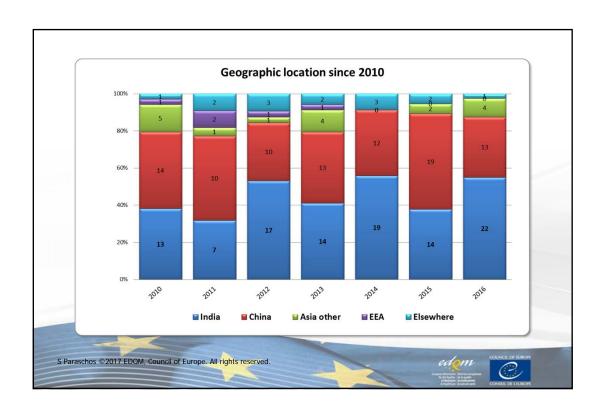
# **Negative Outcome**

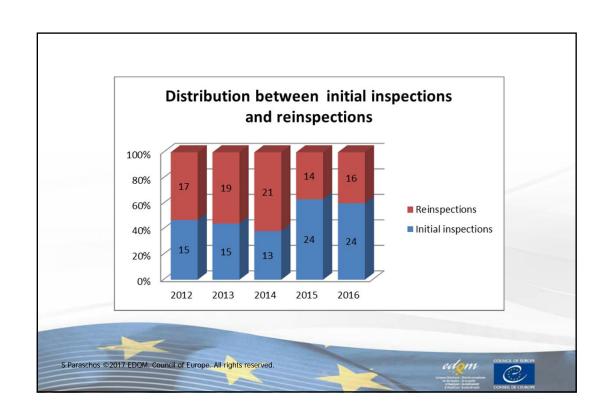
- In case of critical/major deficiencies to the GMP and/or the CEP dossier (failure in the declarations and commitments): actions taken against the validity of CEPs
- Possibility of hearing given to holder and manufacturer
- Information about suspension/withdrawal published on the EDQM websites (CEP database and Certification webpage)
- Ph.Eur. Member States, International partners, EMA, EU Commission and local Inspectorate informed
- Statement of GMP non-compliance issued by the EEA Inspectorate (public in EudraGMDP)











# Inspection figures in 2016

# 79 sites covered in 2016 by both EDQM inspections & exchange of information

- 40 EDQM inspections, 7 of which non-compliances, all with critical findings:
  - 1. concealment of the original manufacturer and use of non-compliant suppliers
  - 2. critical status of QA system
  - 3. overall critical risk from findings on lack of CAPA implementation, documentation & computerised systems validation

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# Inspection figures in 2016

- critical findings regarding e-data integrity & OOS investigation
- 5. overall critical risk from findings on falsification of training records and product & material management
- 6. overall critical risk from findings on e-data integrity, staff qualification, equipment qualification & calibration etc.
- 7. overall critical risk from findings on compliance of computerised systems, e-data integrity & insufficient production documentation





# Inspection figures in 2016 79 sites covered in 2016 by both EDQM inspections

- & exchange of information
   39 sites covered by exchange of information (mainly inspections by EEA inspectorates)
  - ➤ In 6 cases: suspension of CEPs or removal of the manufacturing site (statements of GMP non-compliance issued by EEA inspectorates)
  - ➤ In 2 cases: withdrawal of CEPs because of refusal of inspection

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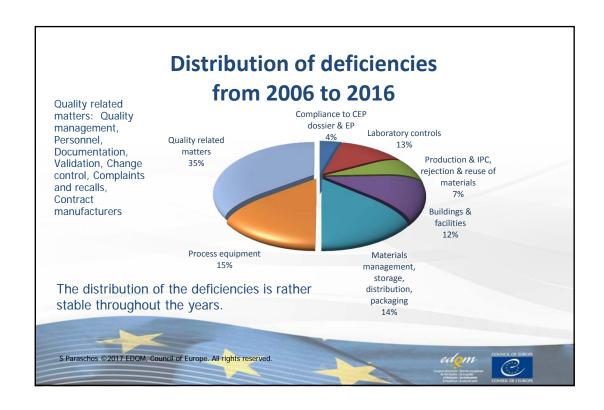
# **General Compliance Trends**

- > Inspected sites found non compliant:
  - Mean rate 2009-2016: 29%
    - 2013: 38%
    - 2014: 12%
    - 2015: 18%
    - 2016: 18%
- ➤ High proportion of non compliant sites seen as a result of the ability of EDQM to identify sites with higher risk of non-compliance and to focus on them









Insufficient quality system renders operations not reliable as evidenced by:

- Annual Quality Review:
  - ✓ Not a quality tool for companies
  - ✓ Not all batches reflected (especially the "non-CEP" grade, even though manufactured by same process)
  - ✓ Trends not detected and investigated
- Quality Risk Management:
  - ✓ Frequenty absent or poorly implemented





- Deviation & OOS management:
  - ✓ Not a deep-rooted practice / Underreported
  - ✓ Not investigated in depth
  - √ No proper CAPA (e.g. «training of related personnel»)
  - ✓ Accumulation of minor deviations not treated as a major issue
  - ✓ Frequent invalidation of OOS without a valid justification

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#### Main GMP deficiencies

- Personnel:
  - ✓ No/insufficient training given to upper management with regard to GMP related matters
  - ✓ No assessment of training's efficiency or limited value
- Change control:
  - ✓ Not a deep-rooted practice; underreported or opened after the initiation of the change
  - ✓ Impact of change not properly assessed





- Documentation practices:
  - ✓ Rewriting documents (partly or completely)
  - ✓ Not recording operation at the time of performance
  - ✓ Improper recording of documents: loose sheets instead of bound and numbered pages
  - ✓ Insufficient control of electronic documents
  - ✓ Documentation control (weaknesses in issuance, distribution, removal)
  - ✓ Falsification

Main question rising: DOES THE RECORDING

DOCUMENT REALLY REFLECT WHAT HAPPENED???

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#### Main GMP deficiencies

- Validation of processes:
  - ✓ Critical process parameters not based on scientific rationale
  - ✓ Processes as blending or micronisation not always addressed
  - ✓ Poor cleaning validation (lack of scientific understanding)
- Qualification of equipment:
  - ✓ Lack of appropriate user requirement specifications
  - √ Weakness of water systems





- Process equipment / Buildings and facilities:
  - ✓ Improper design, cleaning schedule and maintenance schedule cause risks of contamination and/or crosscontamination
  - ✓ Computerised systems:
    - Lack of appropriate user requirement specifications
    - o Insufficient validation
    - No management of access level causing risk of loss of traceability
    - Lack of sufficient controls to prevent manipulation
       of data

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# Main GMP deficiencies

- Laboratory controls:
  - ✓ Lack or insufficient review of audit trail
  - ✓ No management of access levels to the software causing risk of loss of traceability
  - ✓ Unreliable analytical results/data integrity concerns
  - ✓ Fraudulent practices: pretesting, deleting OOS results
  - ✓ Unreliable microbiological results
  - ✓ Insufficient qualification and maintenance of equipment





- Laboratory controls:
  - ✓ Chemical reference standards: lack of the Ph. Eur. CRS, insufficient establishment of secondary standards
  - ✓ Lack of proper monitoring of the potable water
- Materials management:
  - ✓ Risk of loss of traceability
  - ✓ Insufficient approval of key starting material vendor
  - ✓ Improper storage

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# Falsification - Fraud - Data integrity

- Falsified documents: Rewriting to cover OOS, deviations, incorrect or unapproved procedures
- Falsified layouts/premises: Hiding unacceptable parts of the facility, covering doors
- Falsified raw data: Presenting acceptable results in place of the actual (OOS) ones
  - ✓ Pretesting in "unofficial" laboratory equipment to select acceptable batches for the "official" testing
  - Deleting OOS results and replacing by "correct" ones







- Further development of the risk-based approach when elaborating the programme
- Continual reinforcement of collaboration and sharing of information with EU and International Inspectorates
- Optimisation of use of inspection resources globally by participation in international platforms



#### Conclusions

- The EDQM has demonstrated its ability to detect non-compliances and take necessary actions through its inspection programme
- Quality systems and data integrity-related issues constitute the main reasons for non-compliances during EDQM inspections
- Worldwide collaboration is a must



### Conclusions

- API manufacturers and their suppliers should endorse their responsibilities and be supportive to customers
- Finished products manufacturers should improve their ability to select GMP compliant API suppliers and audit/monitor them accordingly





