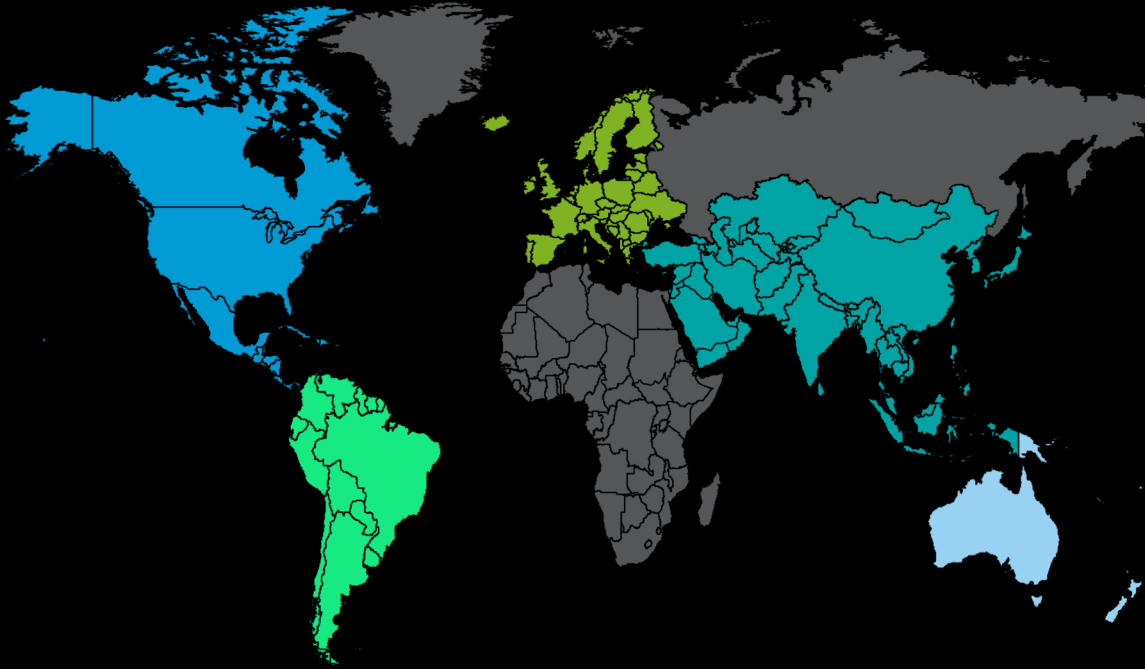


## **Global regulatory overview**

# International pharmaceutical regulations

The current regulations that have global impact



## International

[International Council for Harmonization of Technical Requirements for Registration of Pharmaceuticals for Human Use \(ICH\)](#)

| [ICH: Guidelines](#)

| [ICH: Quality Guidelines](#)

| [ICH: Efficacy Guidelines](#) | [ICH: MedDRA](#)

| [ICH: Safety Guidelines](#)

| [ICH: Multidisciplinary Guidelines](#)

| [ISPE: Good Manufacturing Practices \(GMP\)](#) | [ISPE: International GMP Guidelines](#)

| [ISPE: International GMP Regulations and Preambles](#)

| [ISO Standards](#)

| [Pharmaceutical Inspection Convention and Pharmaceutical Inspection Co-Operation Scheme \(PIC/S\): Guidelines](#)

| [WHO: Good Manufacturing Practices \(GMP\) Questions & Answers](#) | [WHO: Handbook for Good Clinical Research \(GCR\) Practice \(2002\)](#)

| [WHO: Medicines Policy](#) | [WHO: Medicines Regulatory Support](#) | [WHO: Production](#) | [WHO: Regulatory Package](#)

| [WHO: Medicines Regulatory Support](#) | [WHO: Production](#) | [WHO: Regulatory Package](#)

| [WHO: Medicines Regulatory Support](#) | [WHO: Production](#) | [WHO: Regulatory Package](#)

# Regional and local regulations

Fragmented landscape of additional regional and country-specific regulations

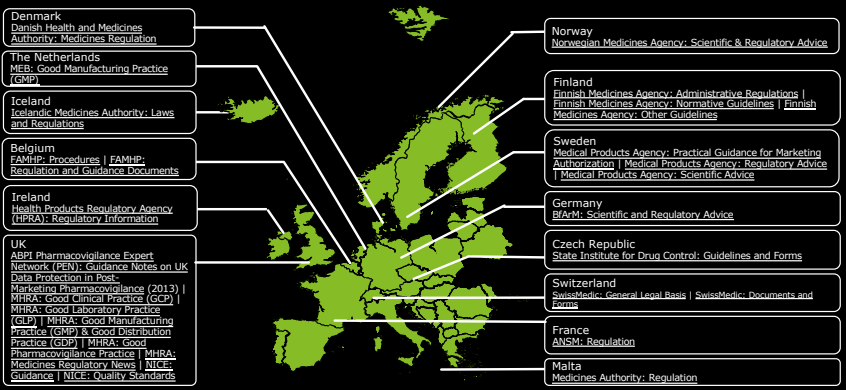
## EU Wide Regulations:

EMA: Article 58 Applications: Regulatory & Procedural Guidance  
 EMA: Clinical Data Publication | EMA: Regulatory Information  
 EMA: Good Clinical Practice (GCP) Compliance  
 EMA: Good Manufacturing Practice and Good Distribution Practice Compliance  
 EMA: Good Manufacturing Practice Questions and Answers  
 EMA: Good Pharmacovigilance Practices  
 EMA: Guide to Information on Human Medicines Evaluated by EMA (2016) |  
 EMA: Guidance for Implementation of Eligibility Requirements (2016)  
 EMA: Guidebook for Tenderers (2016)  
 EMA: Pharmacovigilance System Manual (2016) | EMA: Public Consultations |  
 EMA: Risk Management Plan (RMP) Guidance | EMA: Scientific Guidelines | EU:  
 EurLex Volume 4, Annex 15: Qualification and Validation (2015) | European  
 Commission: Good Distribution Practice of Medicinal Products for Human Use |  
 European Commission: Good Manufacturing Practice (GMP) Guidelines | European  
 Commission: Procedures for Marketing Authorization - Mutual Recognition | HMA  
 CMPD: Procedural Guidance | TOPRA: Guide to the EU Variation Procedure from a  
 Quality Viewpoint (2015)



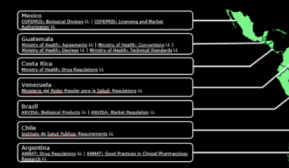
**Canada**  
 Health Canada: Acts & Regulations | Health Canada: Data Protection under the Food and Drug  
 Regulations (2011) | Health Canada: Good Manufacturing Practices (GMP) | Health Canada:  
 Good Pharmacovigilance Practices (GVP) Guidelines | Health Canada: Guidance Documents |  
 Health Canada: Policies | Health Canada: Reconsideration of Decisions Issued for Human Drug  
 Submissions (2015) | Health Canada: Revised Guidance Documents Information and  
 Submission Requirements for Subsequent Entry Biologics (SEBs) (draft) (2015)

**U.S.A**  
 ABIS Priority News Brief: FDA Guidelines | FDA: CDER Manual of Policies & Procedures (MAPP) | FDA: Comparability Protocols for  
 Human Drugs and Biologics: Chemistry, Manufacturing and Controls Information (draft) (2016) | FDA: Comparability Protocols for  
 Assessments for Toxicity, Quality, Assessment (2016) | FDA: Data Integrity & Compliance with GxP (draft) (2016) | FDA:  
 Pharmaceutical Quality (PQ) | FDA: Compounded Drug Products that are Essentially Copies of a Commercially Available Drug  
 and are Intended for Use in the Federal Food, Drug, and Cosmetic Act (draft) (2016) | FDA: Confidentiality Requirements for  
 the Essentially Copies of Approved Drug Products under Section 505B of the Federal Food, Drug, and Cosmetic Act (draft) (2016)  
 | FDA: Current Good Manufacturing Practices (CGMP) | FDA: Current Good Manufacturing Practices Regulatory Requirements (2015) |  
 FDA: (FDA) Periodic Benefit-Risk Evaluation Report - Questions & Answers (2016) | FDA: Good Laboratory Practice (GLP) for  
 Nonclinical Laboratory Studies | FDA: Good Laboratory Practice (GLP) Questions & Answers (2007) | FDA: Good Manufacturing  
 Practice (GMP) Enforcement Practices | FDA: Good Manufacturing Practices and Data Integrity/Computerized System  
 | FDA: Guidelines (Pharm) | FDA: Guidelines (Biotech) | FDA: Guidance, Compliance & Regulatory Information | FDA:  
 International Mutual Recognition Agreements | FDA: International Mutual Recognition Agreements: Present and  
 Future | FDA: International Mutual Recognition Agreements: Third Party Information About Implementation Status and  
 Submitted by Sponsor/Investigator (draft) (2015) | FDA: MAPP: MAPP Lessons to Official Compounds and Standards  
 Development Organizations - Selection Process, Goals, and Responsibilities (2016) | FDA: Primary Components of Human  
 Drug Products under Section 302A of the Federal Food, Drug, and Cosmetic Act (2016) | FDA: Prescription Requirements Under  
 Section 302A of the Federal Food, Drug, and Cosmetic Act (2016) | FDA: Prescription Regulatory Submitters in Electronic Format:  
 Submission of Formulating Establishment Information (draft) (2016) | FDA: Prescription Regulatory Submitters in Electronic Format:  
 Submission of Formulating Establishment Information (draft) (2016) | FDA: Quality Attributes considerations for Generic  
 Tablets (draft) (2016) | FDA: Regulatory Information | FDA: Regulatory Procedures Manual | FDA: Request for Quality Metrics  
 Data for Industry (draft) (2015) | FDA: Safety & Compliance | FDA: Safety considerations for generic tablets by  
 Innovative Medicines (2016) | FDA: Safety: Testing of Drug Metabolites | FDA: Special Protocol Assessment (draft) (2016)  
 | FDA: Standards | Regulations.gov: Advanced Search



## South American Pharmaceutical Regulations

The Current Regulations that Impact South America and LATAM



## Asia Pacific Pharmaceutical Regulations

The Current Regulations that Impact Asia and Australia



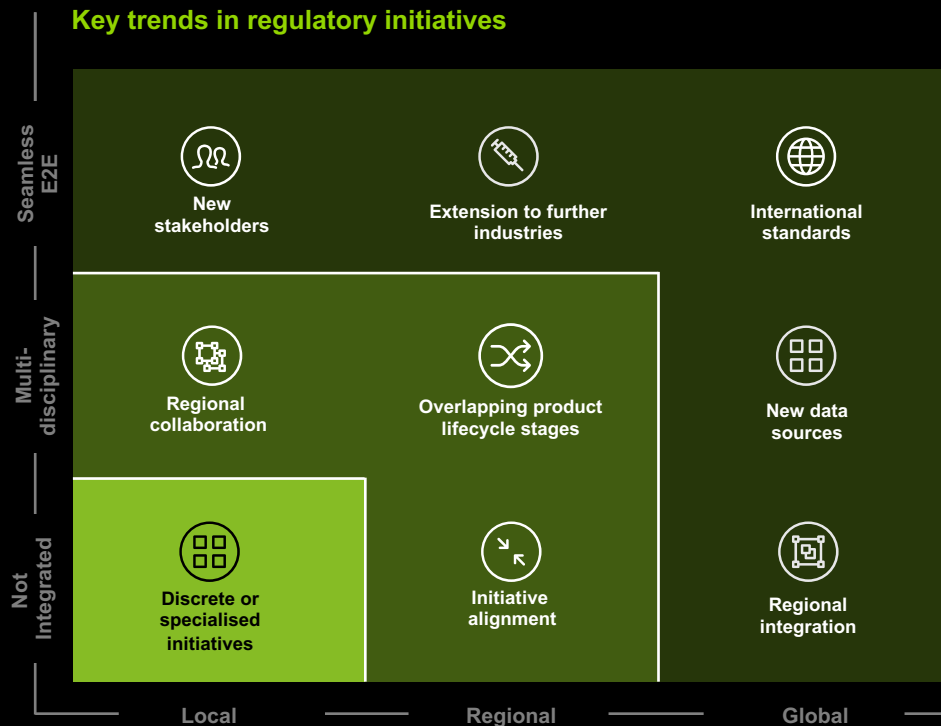
## Australasian Pharmaceutical Regulations

The Current Regulations that Impact Australia and New Zealand



# Evolution in the regulatory landscape

Pharmaceutical companies are facing new drivers and disrupters



## Drivers & disrupters



Stronger customer voice



Access to information



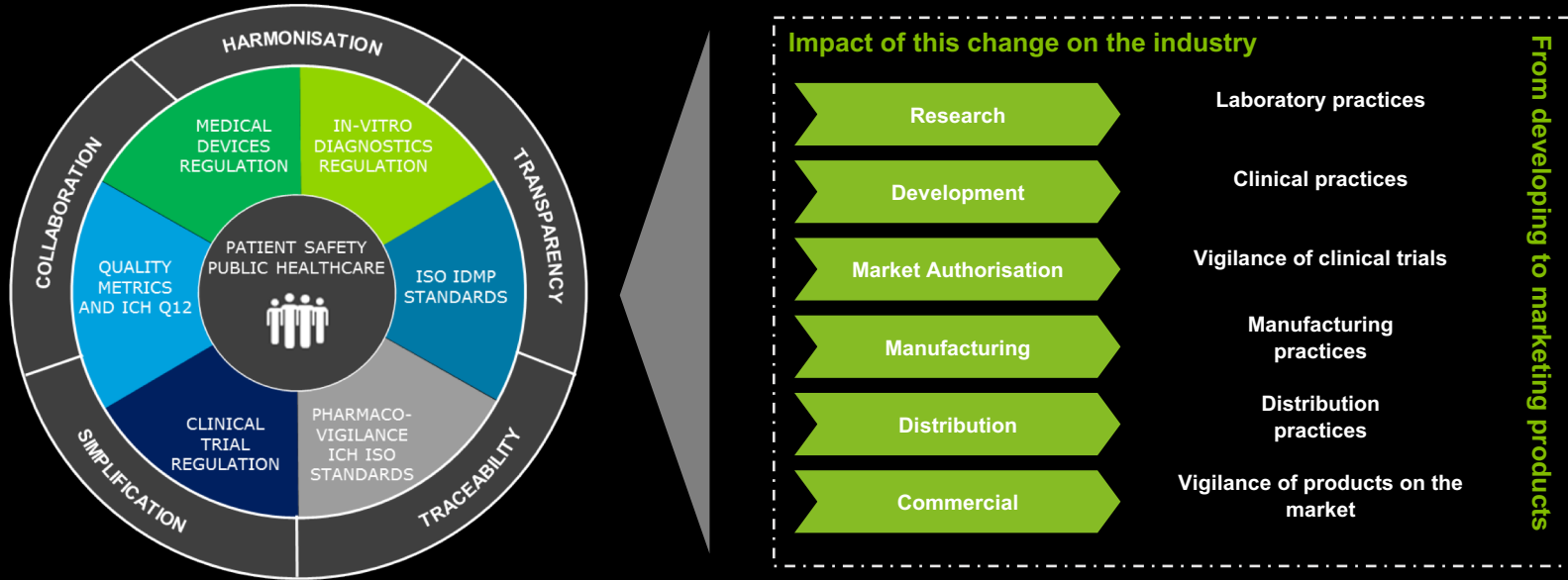
New technology

## Main impacts

- End-to-end vision on technology and safety needed
- More comprehensive data landscape required
- More seamlessly integrated processes
- New capabilities needed

# A decade of unprecedented regulatory change

Anticipating trends to enable clients to reach full compliance



- European Commission are making regulatory changes across the pharmaceutical, medical devices, and in-vitro diagnostics industries
- All companies in these industries marketing products in the EU will need to comply
- Significant impact on regulatory obligations and operating models of these organizations

## **Contact information**

**Oliver Steck**

**Principal, Deloitte & Touche LLP**

**Cell: +1 305 302 2655**

**Email: [osteck@deloitte.com](mailto:osteck@deloitte.com)**



This presentation contains general information only and Deloitte is not, by means of this presentation, rendering accounting, business, financial, investment, legal, tax, or other professional advice or services. This presentation is not a substitute for such professional advice or services, nor should it be used as a basis for any decision or action that may affect your business. Before making any decision or taking any action that may affect your business, you should consult a qualified professional advisor.

Deloitte shall not be responsible for any loss sustained by any person who relies on this presentation.

**About Deloitte**

Deloitte refers to one or more of Deloitte Touche Tohmatsu Limited, a UK private company limited by guarantee ("DTTL"), its network of member firms, and their related entities. DTTL and each of its member firms are legally separate and independent entities. DTTL (also referred to as "Deloitte Global") does not provide services to clients. In the United States, Deloitte refers to one or more of the US member firms of DTTL, their related entities that operate using the "Deloitte" name in the United States and their respective affiliates. Certain services may not be available to attest clients under the rules and regulations of public accounting. Please see [www.deloitte.com/about](http://www.deloitte.com/about) to learn more about our global network of member firms.