



ADVANCED DIGITAL DESIGN OF PHARMACEUTICAL THERAPEUTICS



Visualising Digital Design Workflows

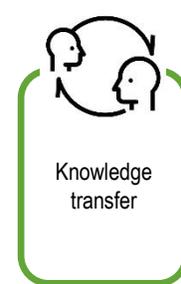
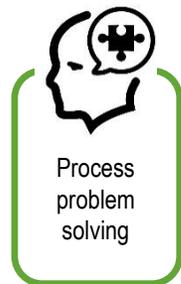
Charlie Gordon & Rob Peeling, Britest Ltd



Britest is a highly successful not-for-profit SME. Since its founding in 2001, the application of Britest tools has generated many €millions of productivity gains, driving enhanced business sustainability and competitiveness.

Britest's **expert technical facilitators** use a suite of proprietary tools to help organisations **define, structure, and translate knowledge into process understanding**.

This promotes **effective communication** of the underlying science across disciplines and functions, **enabling knowledge transfer** and allowing organisations to derive tangible **business value**.



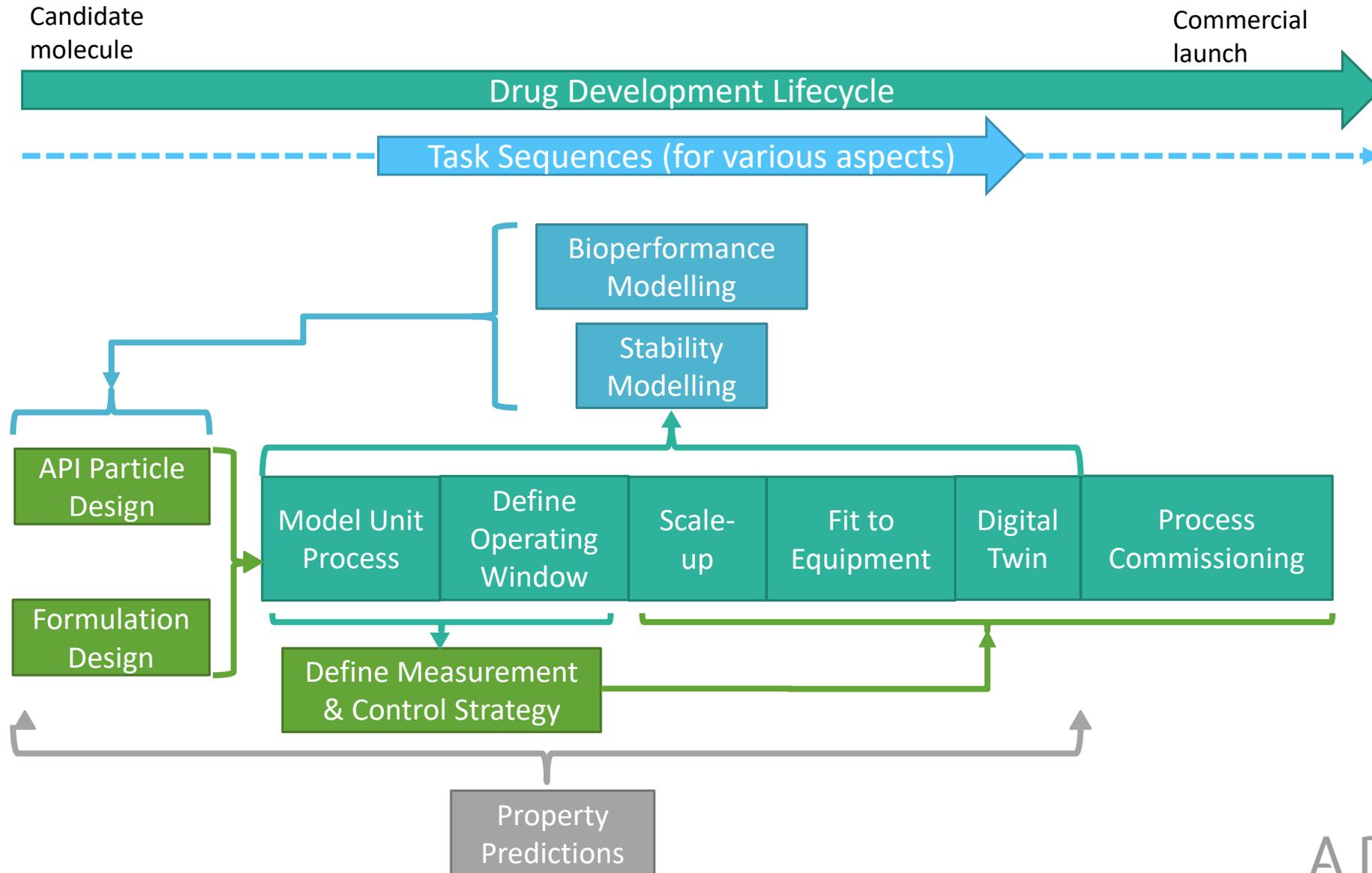


28th March 2019

ADOPT DIGITAL DESIGN SHOWCASE, LONDON



Towards an Integrated Workflow for Digital Design



Ensure that the opportunities offered by digital design can be clearly mapped onto industry's product and process development workflows.

Allow industrial end-users to understand the current and future state of models, including the data requirements and level of information fidelity needed.

Desired future state:
The only experimental work required is a validation step to confirm the output of models.

Benefits of a Digital Design Workflow

- Reduce development time & cost without compromising patient safety

Reduce risk

Enable iterative design approach

Implement measurement and control from a very early stage

Model manufacturing unit operations

Model bio-performance of drug products

Optimise process via closed-loop feedback control

Reduced/improved experimentation

Carry out experimentation *in-silico*

Use experimentation to confirm models

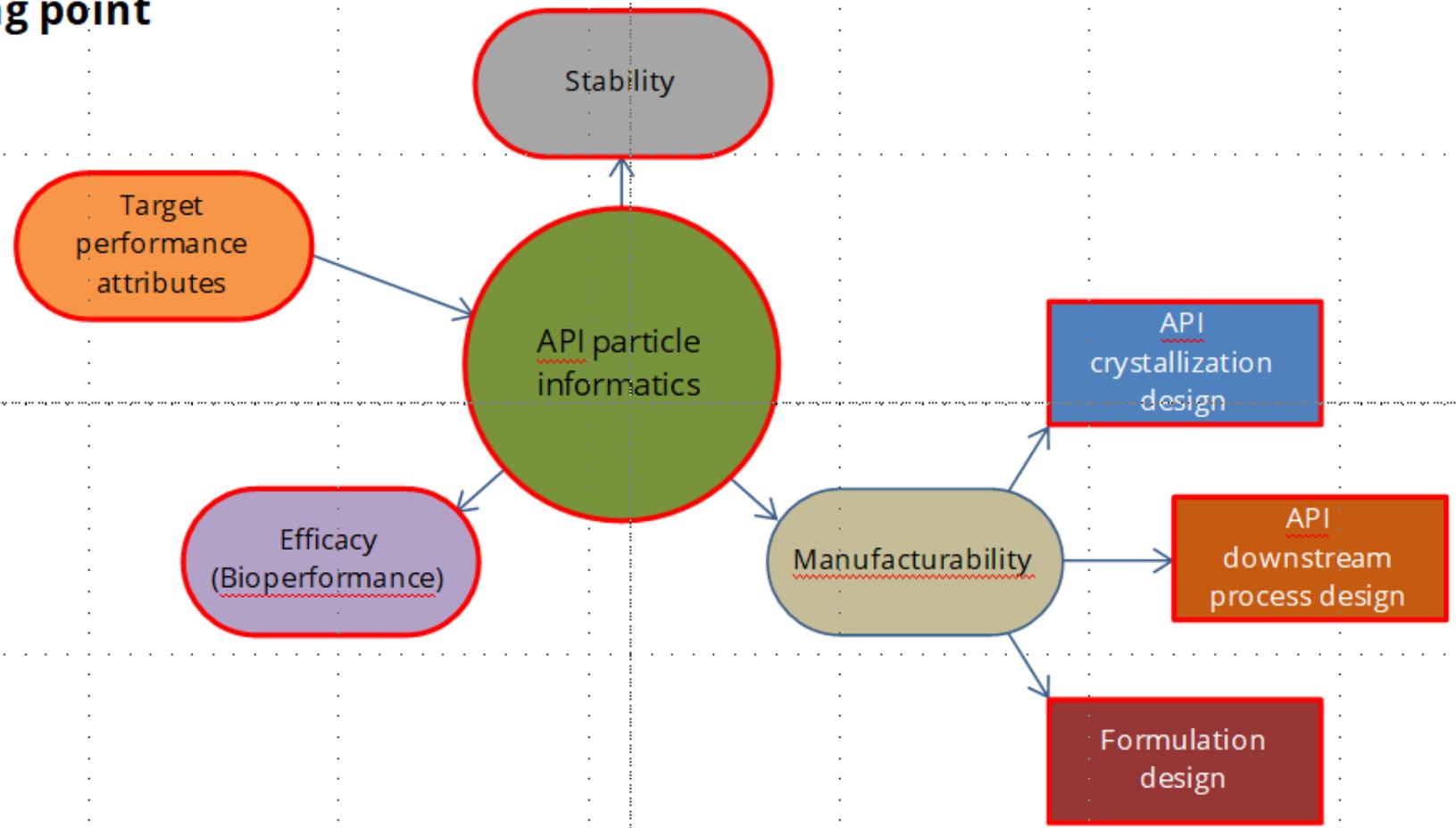
Provide greater added value for experiments performed

Making innovation affordable

Digital Design Guide: the Workflow Implemented

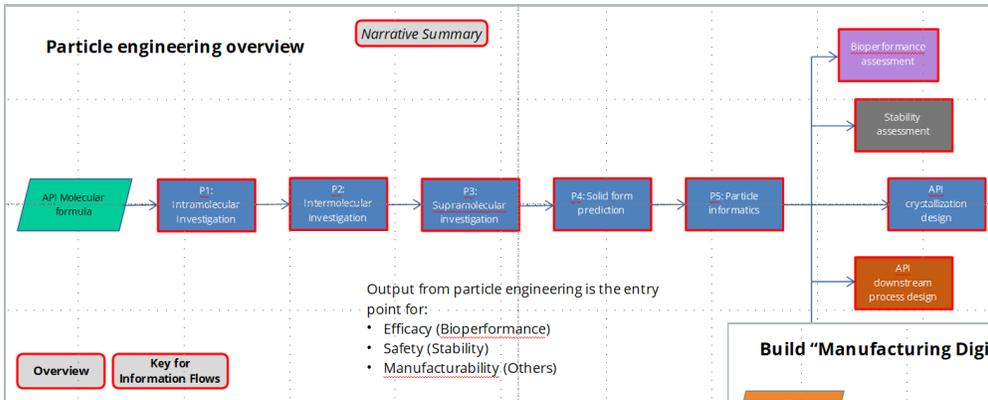
Overview and starting point

- Introduction
- What is ADDoPT?
- What is Digital Design?
- What is this Guide?
- How do I use the Guide?
- Training and Support
- Glossary of Terms

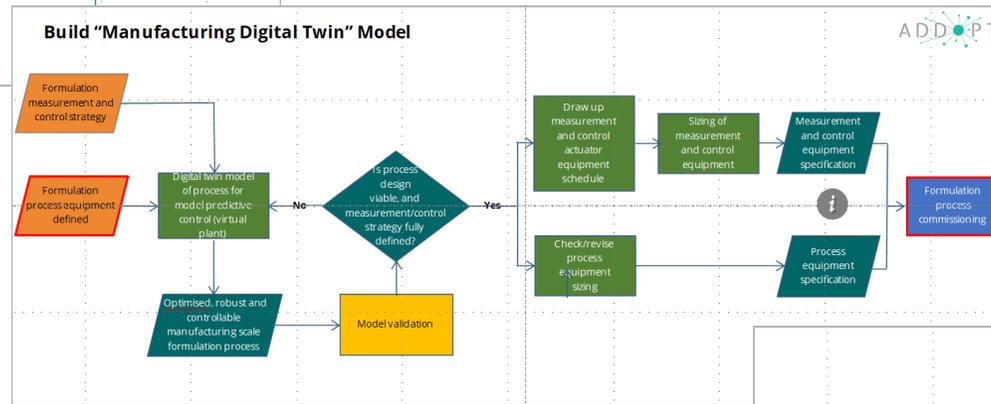


Digital Design Guide: the Workflow Implemented

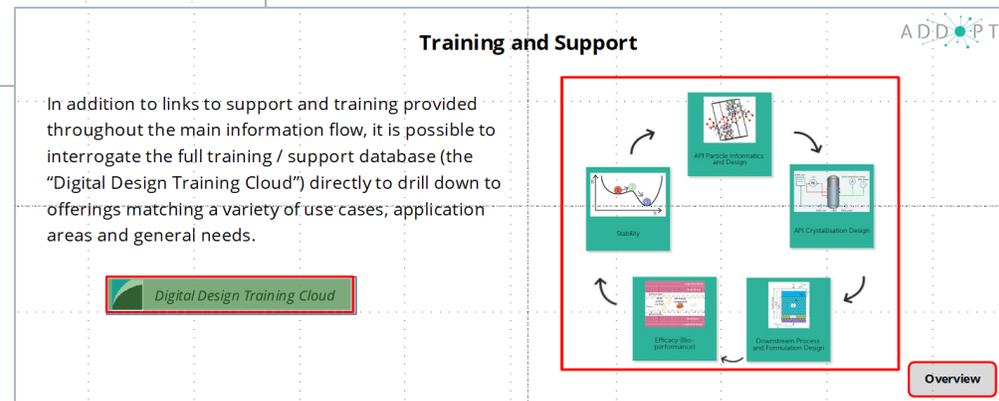
High-level workflows...



...drilling down to specific tasks...



...with appropriate supporting information



The Digital Design Guide and workflow: a summary

Accessible resource to support digital design

Relevant to different user requirements and interests

Customisable to different applications and industries

Britest can support development and implementation of a digital design workflow in your organisation



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For further information contact:

Charles.Gordon@britest.co.uk

Robert.Peeling@britest.co.uk

