

Change in Statistical Organisations supported by AI-CATCH

Introduction to the tool AI-CATCH & the CATCH change framework



AI – CATCH
**GET HELP WITH CHANGES IN
YOUR ORGANISATION**

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Agenda

1. How can AI-CATCH help? Short popular introduction to the tool AI-CATCH
2. The CATCH change framework – five skills supported by the tool AI-CATCH
 - C**hange as problem-solving moving from existing to desired situation
 - A**rtificial intelligence (GenAI) as exploration tools supporting human thinking
 - T**erminology and knowledge in your organisations. E.g. strategy, quality, processes
 - C**o-create changes together with colleagues with help from AI-CATCH
 - H**old on to the change processes in your organisation
4. Use cases
5. Getting started

How can AI-CATCH help – short popular introduction

You wish to change

- You have a problem, e.g., data collection
- International guidelines & handbooks are too complex and don't fit your situation
- You want help from a wise conversation partner knowing about standards and best practice
- You wish to have alternative proposals
- Allowing you to make your own decision

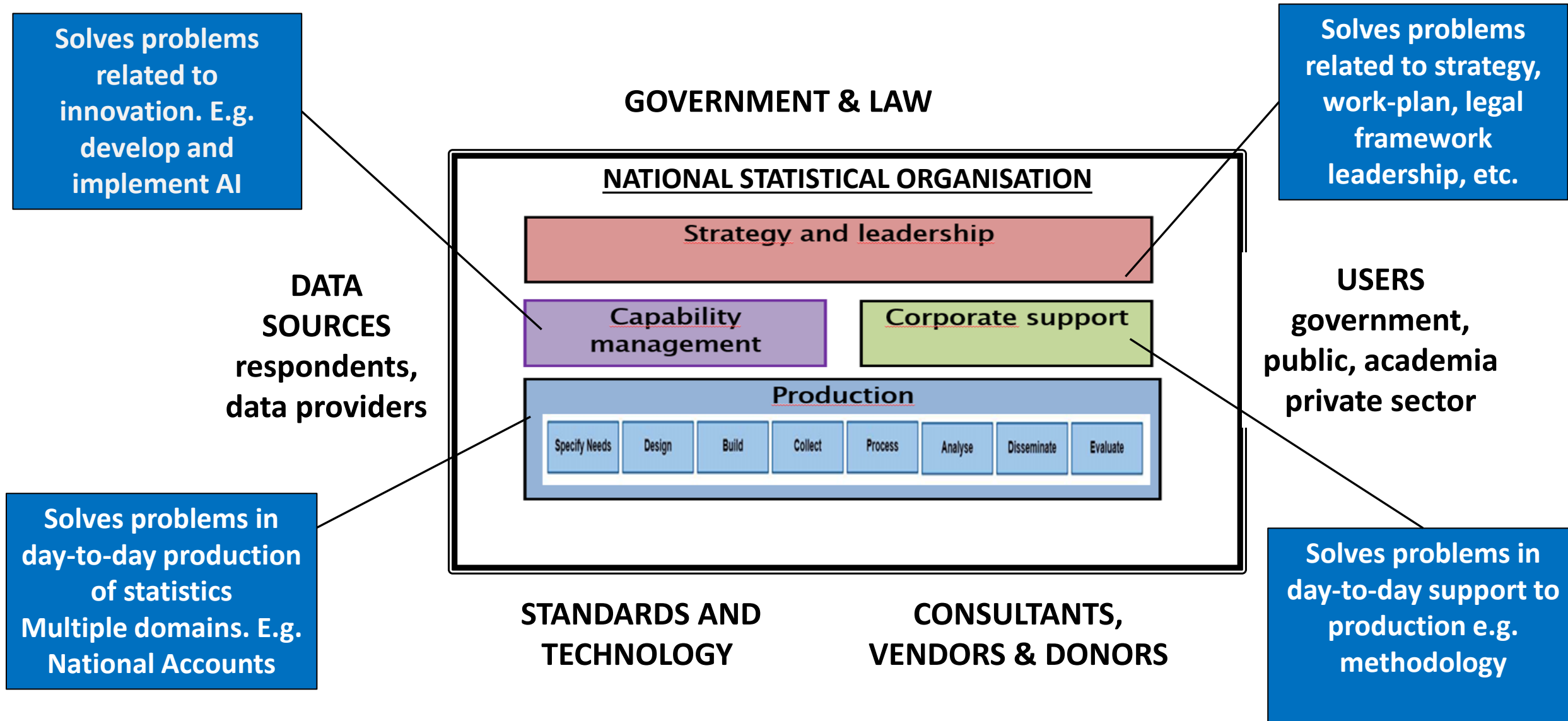
➤ **Chat with AI-CATCH**

➤ **Strong support from tailored workshops**

2. Details of the CATCH framework

Change as problem-solving moving
from current to desired situation

Problem solving in four main subsystems. Generic Activity Model for Statistical Organisations (GAMSO) with environment



Steps in change as problem solving

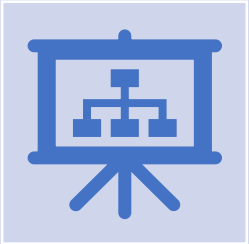
1. Open AI-CATCH for Statistics
2. Describe problem, e.g., the current law lacks details about administrative sources
3. Provide information about current situation, e.g., upload current statistical law
4. AI-CATCH suggests possible solutions to solve the problem, e.g., change in paragraph in the current law. Suggestions are based on standards, best practice and quality requirements.
5. Evaluate and decide to implement change

Artificial intelligence (GenAI)
as exploration tools supporting
human thinking

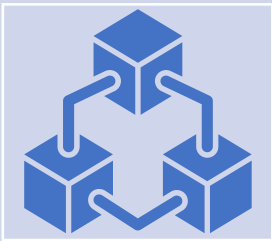
Overall idea / strategy for the use of AI in a statistical organisation.



It is expected that all functions in a statistical organisation will use AI. Either for automating task or learning / problem solving. E.g.: revise statistical law, prepare strategy, IT support.



The GAMS model provides a **generic overview of functions in a statistical organisation**. It gives a starting point for communication about problem solving and change, including AI.



Quality frameworks, e.g., UN-NQAF , CoP/QAF (EU) provide basic holistic view on requirements to be used in change processes. The Quality Framework works as a spider in the network of changes ensuring coherence, common terminology and understanding

Two main uses of AI CATCH for statistics

Learning, e.g.,
understand Generic
Statistical Business
Process Model

Problem solving, e.g.,
insert problem and
document and get
suggested changes

AI. Problem solving in 3 steps using AI-CATCH

01

**You prepare text for
problem and current
situation**

02

**AI-CATCH suggests
changes to current
situation based on
knowledge base
with best practice
and standards**

03

**You evaluate
suggestions and
decide on changes
moving to desired
situation**

Example: Improve statistical act – dialog with AI-CATCH

You: Conduct analysis of
Statistical Act

AI: Please insert text with your issues and a
document with the existing law

You: Issue: *improve the law
regarding data collection for
administrative sources* << upload
law>>

AI: Section 2.1: Data Collection.
Original Text: *"The agency will collect data
through surveys and administrative records."*
Based on my generic knowledge, it's suggested
to improve clarity and compliance with the
Generic Law of Official Statistics.

Proposed revised Text:

*"The agency shall collect data through
systematic and periodic surveys, ensuring
confidentiality and data integrity, as well as
through administrative records, adhering to the
guidelines set forth by the Generic Law of
Official Statistics and the principle 1 in the
quality framework"*

You: Thanks. Please give
details.

Terminology and knowledge
in your organisations. E.g.
strategy, quality, processes

Two types of knowledge in a statistical organisation

Generic knowledge from the outside

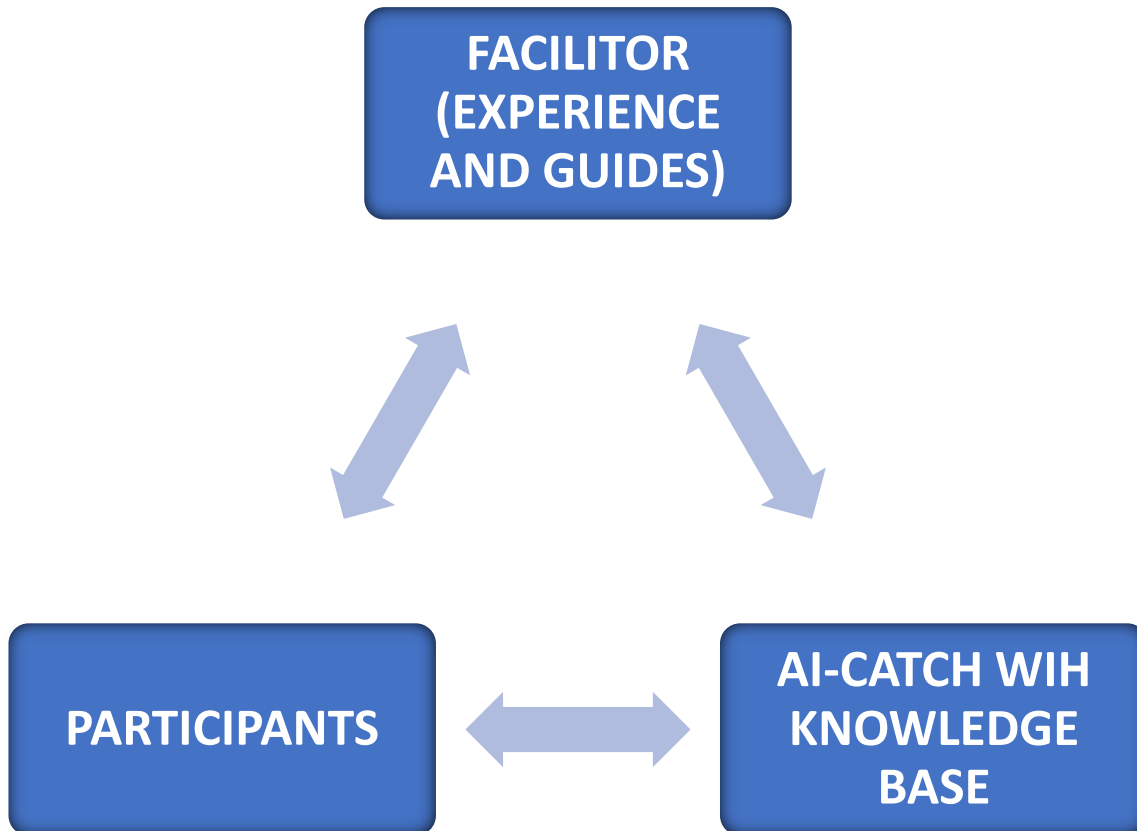
- Established best practices independent of specific implementation in daily operations. E.g., Generic Activity Model for Statistical Organisations (GAMSO) and Generic Statistical Business Process Model (GSBPM)
- Global models, guidelines, frameworks and best practice used across various organisations, including expert knowledge by Lars and Mogens

Emerging knowledge – combined generic knowledge and local knowledge

- Information that is processed, negotiated and integrated into operations in a statistical organisation. E.g., guidelines about quality adapted to fit local conditions in a country
- Continuously evolves through interaction with the organisation's environment and adapts to specific contexts.

Co-create changes
together with
colleagues with help
from AI-CATCH

Co-create: Workshop. Three interacting parts



- The facilitator provides introductions, case studies and experience
- AI helps with a knowledge base adapted to your organisation
- The participants are actively involved in preparing problems, discussing solutions
- All interactions must make sense (individual and group)

Workshop Overview: A Comprehensive Program

Program

1. Changes as continuous improvements implemented as problem solving
2. AI in theory and practice. How to use AI to help with problem solving
3. Terminology and generic knowledge about processes, foundational knowledge, etc.
4. Co-create changes with colleagues with help from AI-CATCH.
5. Hold on to the transformation process in further ongoing changes in your organisation

Key message: “A balanced mix of theory and practice to equip the participants with the necessary skills.”

What sets this workshop apart

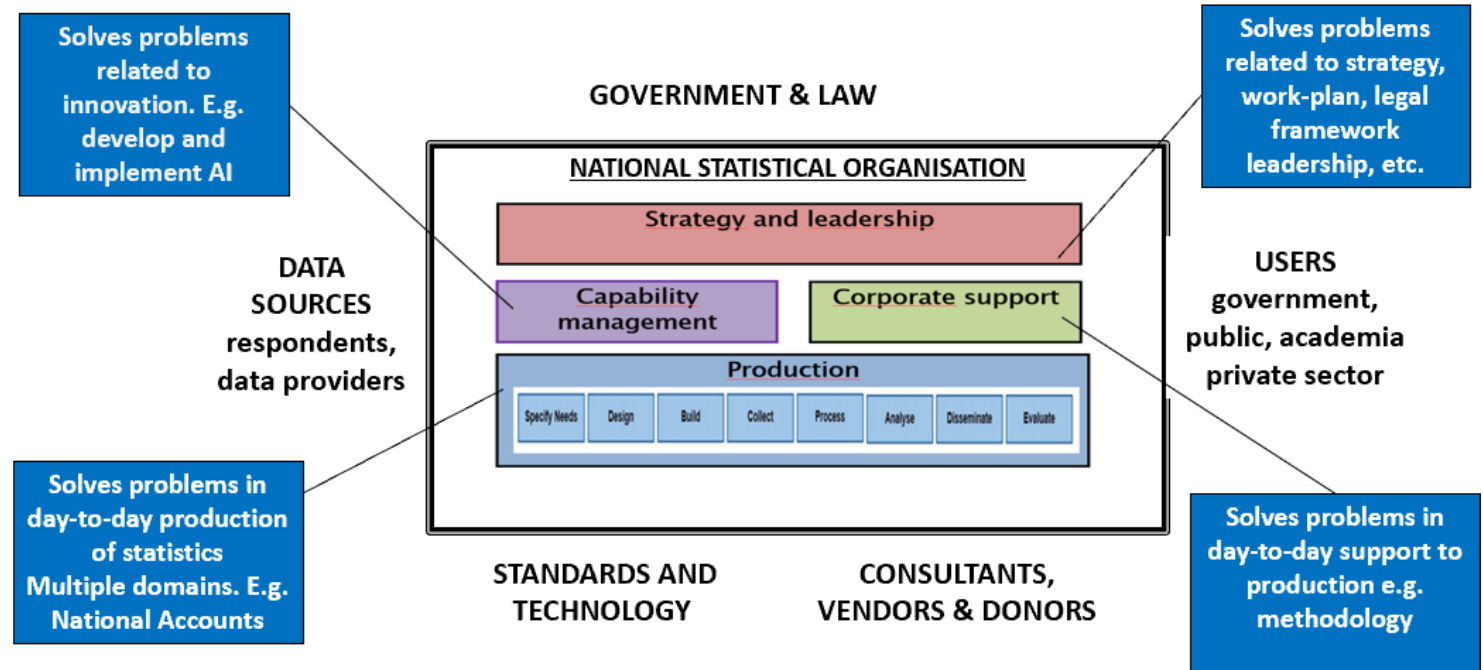
- **Integration of AI-CATCH:** The tool is used during the workshop providing knowledge and enhancing communication in change processes
- **Focus on sustainable change:** Ensuring that the skills learned are applicable and sustainable across the organisation.
- **Interactive workshops:** Emphasizing skills-oriented learning rather than traditional lectures.

Key message: “the workshop is not just about learning—it’s about how you can transform your organisation.”

Hold-on create
changes together with
colleagues with help
from GenAI

Hold-on. Involve internal and external parties

- Problem solving in one subsystem involves other related parties (internal and external)
- Important that all use common terms and quality framework



4. Use cases

Use-cases #1 overview

The use cases are divided into 3 blocks

- A. Quality, e.g., A.3 1 Understand quality reporting
- B. Production processes, e.g., B.2.3 Suggest improvements to survey design document
- C. Cross-cutting activities, e.g., C.3.3.2 Suggest improvements to the existing law

General features

- You can choose your own language. Just write "From now on use YOUR LANGUAGE", e.g., Arabic
- You can choose starter conversations, e.g., "give me an overview of chapters"
- Each use case
 - gives you initial help focusing on specific aspects of your question
 - Checks the question for non-relevant terms and asks you for clarification. E.g., does the law include articles about ice-cream?
 - provides background information and references after the answer

Use cases #2 Examples for C. Cross-cutting activities

Statistical legislation

- C.3.1.2 Understand the Guidance on Modernising Statistical Legislation
- C.3.1.2 Understand the Generic Statistical Law
- C.3.2.1 Case study. Learn about the statistical act from Statistics Denmark
- C.3.3.1 Evaluate the existing law
- C.3.3.2 Improve the existing law

C.3.3.2 Improve Existing Law



C.3.3.2 Improve Existing Law

This app will help you to improve your existing law focusing on specific issues. Steps 1. present problem/issue 2. Upload existing law, write continue and submit 3. Get options for improvements including guidance from the generic law on statistics and from UN quality framework
Change language: please write "From now on use (INSERT YOUR CHOSEN LANGUAGE)"

Press this button to get started with step 1: present problem / issue



User

Press this button to get started with step 1: present problem / issue

Use cases #3 Examples for C. Cross-cutting activities

Multi year plan / strategy

- C.2.1.1 Understand the multi year plan
- C.2.3.1 Evaluate current multi year plan
- C.3.3.2 Improve current multi year plan

C.2.3.1 Eval Multi Year Plan



C.2.3.1 Eval Multi Year Plan
This app will evaluate your existing multi year plan (strategy) get recommendations. Steps 1. Press button below 2. Upload existing multi year plan (use paper clip) write continue and press submit (blue arrow) 3. you will get the results.
Change language: please write "From now on use (INSERT YOUR CHOSEN LANGUAGE) "

Press this button to get started



User
Press this button to get started



C.2.3.1 Eval Multi Year Plan
Thank you. Please upload your existing multi-year plan document and then press "continue." I'll then proceed to Step 3: evaluating your plan against the standard multi-year plan guide and provide a detailed,

Type your message

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5. Getting started

Getting started

A session where we discuss the specific needs in your organisation, so that the workshop can be tailored. The session will also include hands-on with access to selected GPT's

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