

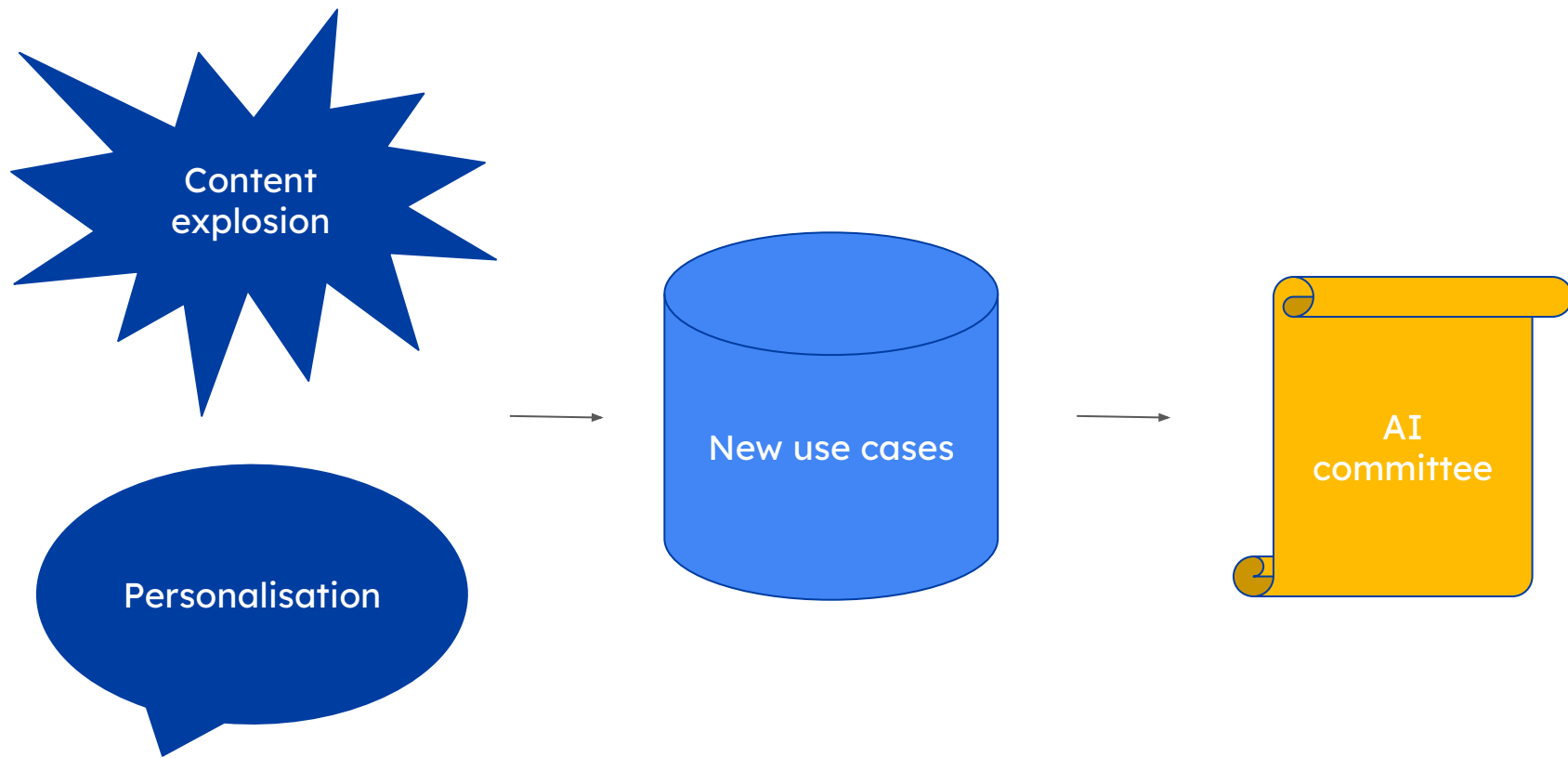


GenAI in Localization Program Management

Paula Manzur & Emma Vila
Booking.com

**AI for
everyone,
every day**

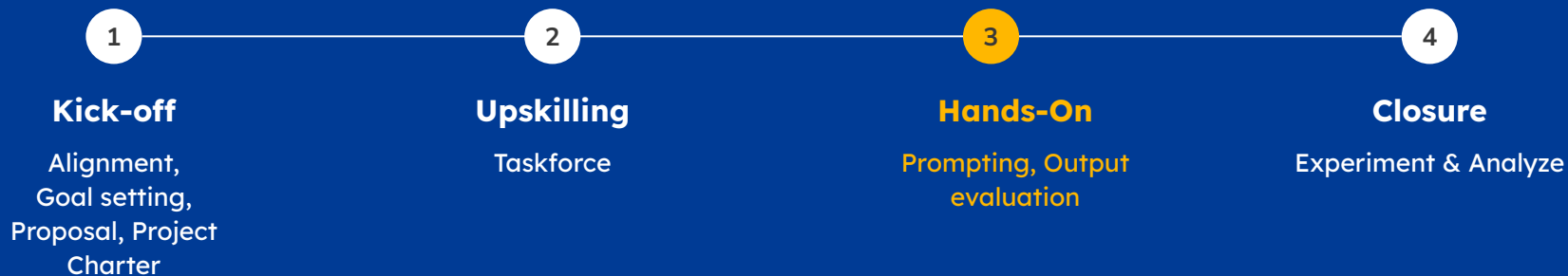
**Learn,
Explore,
Play,
Adapt,
Experiment
and Succeed.**



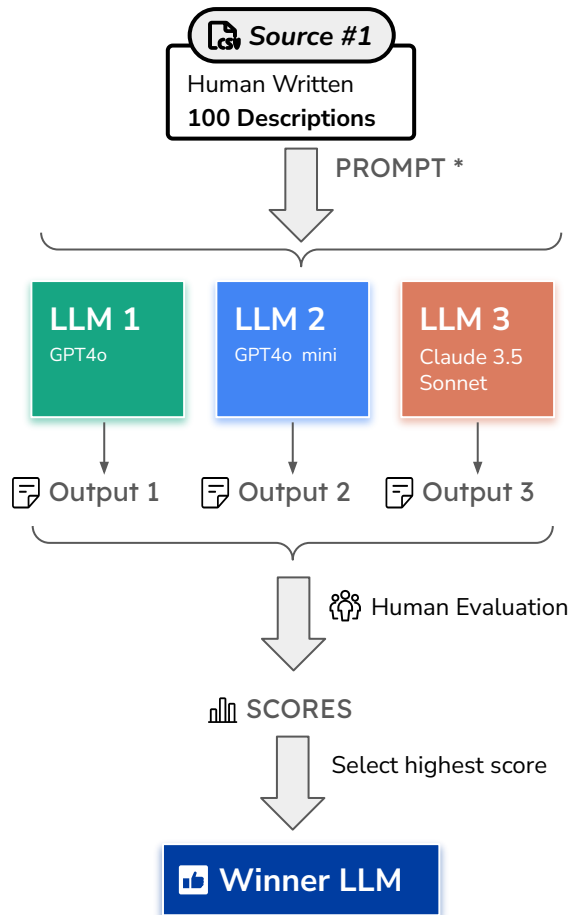
Use case: Property Descriptions

Explore and validate the translation of Human/AI written English Property Descriptions with GenAI models in all supported Booking.com languages.

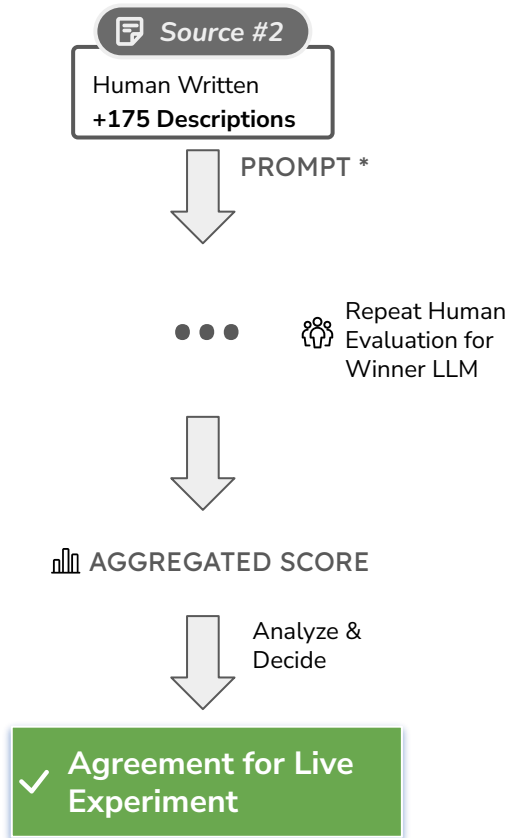
High-Level Summary



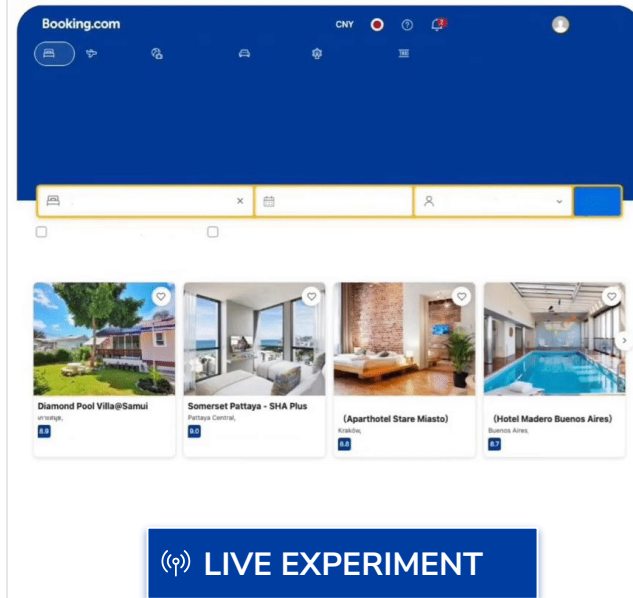
Phase 1



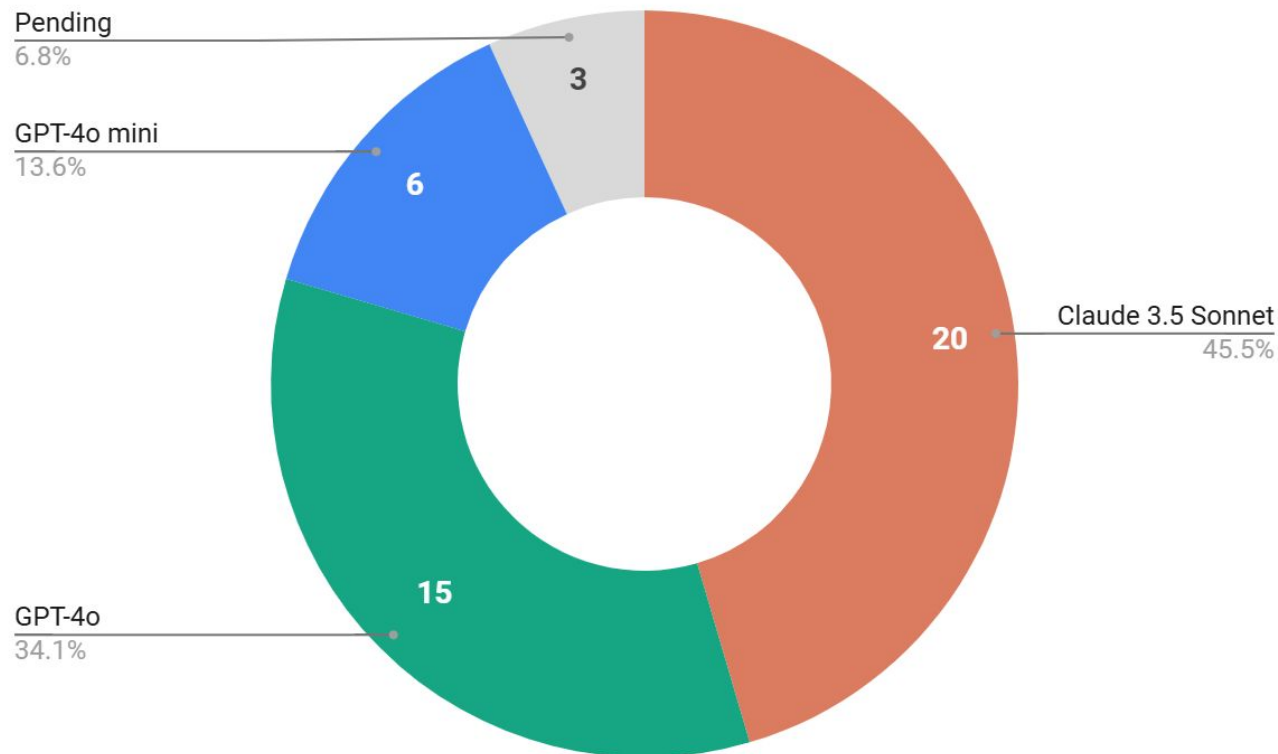
Phase 2



Phase 3



LLM winning models distribution



Claude 3.5 Sonnet

ar, ca, cs, el, ja, ko, lt, nl, no, pl,
pt, ro, ru, sk, th, uk, vi, es-ar,
pt-br, zh-tw

Gpt-4o

es, et, fi, fr, he, hr, hu, id, it, ms,
sl, sv, tr, es-mx, en-us

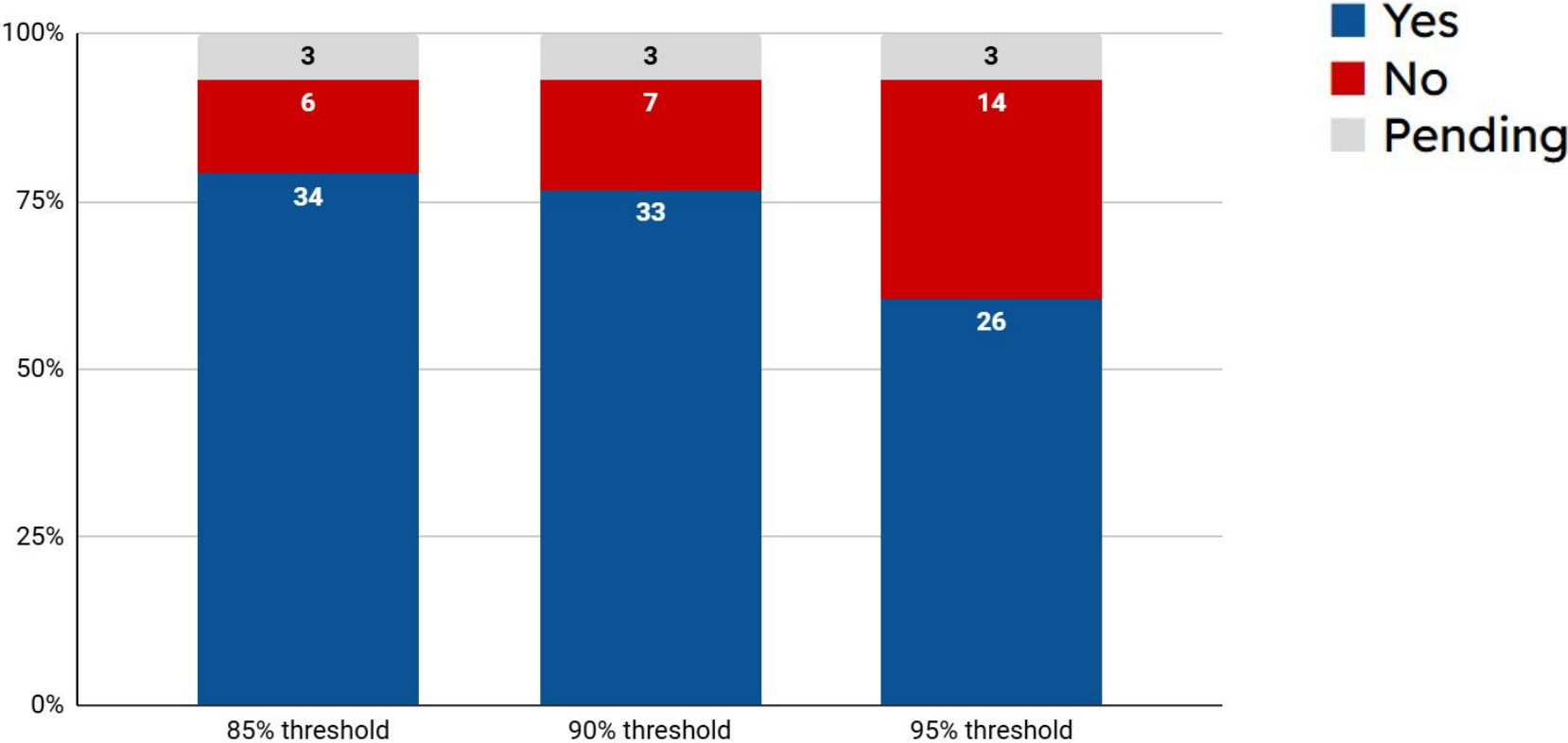
Gpt-4o-mini

bg, da, de, hi, tl, zh-cn

Pending - 3 languages

is, lv, sr

Quality threshold distribution



System prompt

You are a linguist translating accommodation descriptions for Booking.com. Your goal is to create accurate and easy-to-read accommodation descriptions.

You ensure the translations feel natural in the target language, use a personalized and professional tone, and avoid being too colloquial.

BASIC GUIDELINES

You use {formality} tone of voice

{general_instructions}

User prompt

Task

Localize the listed 'Accommodation Descriptions' into {target_language} ensuring that it is natural and engaging for the target audience.

Follow the grammatical and syntactic rules of the {target_language} language.

{language_instruction}

Instructions

#1 Ensure that the content in the 'Accommodation Name' is {property_names}.

#2 Proper names of geo entities (places, landmarks or other) and names of bars, restaurants and similar establishments should be {proper_names}.

#3 Make sure that the units of measurement used are {unit_of_measure}.

#4 Strictly adhere to the terms provided in {glossary}.

Examples

Example 1

{example_1}

Example 2

{example_2}

Now it's your turn:

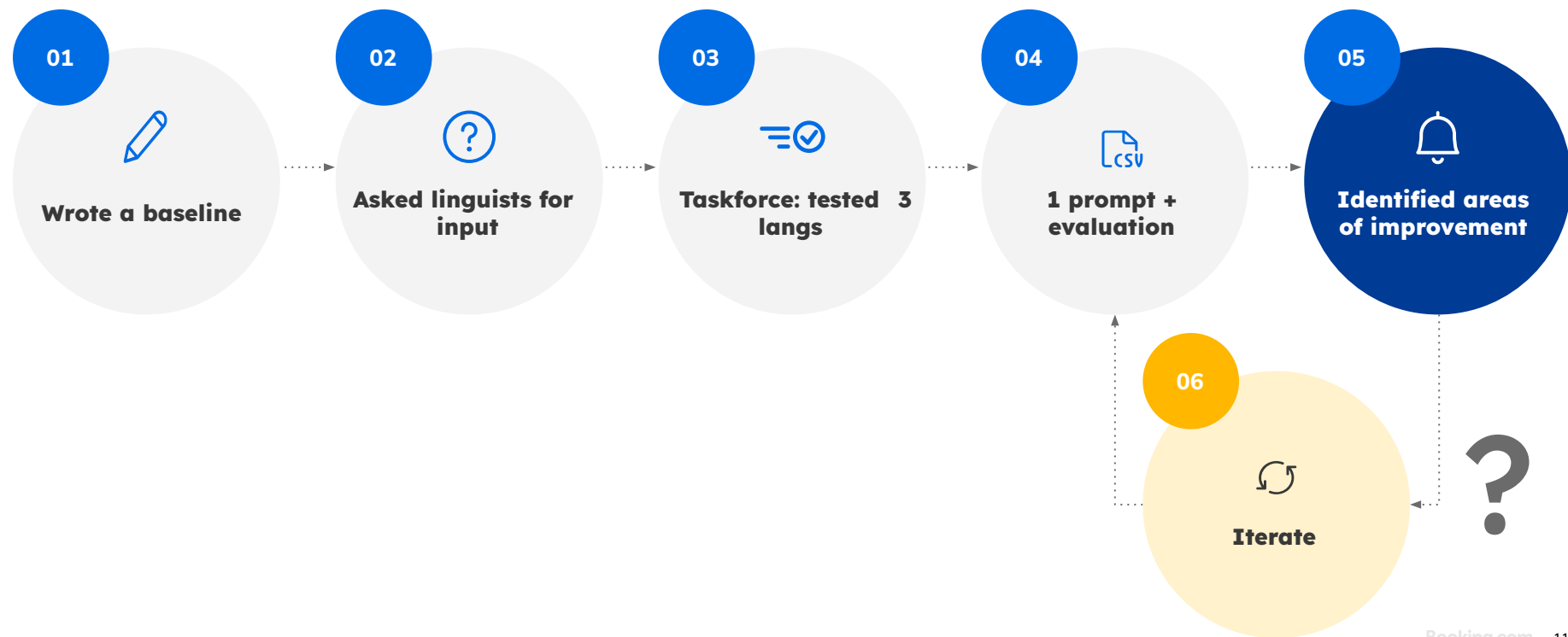
Accommodation Descriptions: {accommodation_description}

Accommodation Name: {accommodation_name}

Do not include <translated_accomm_description> in the output.

Prompt engineering is an **iterative** process. You'll need to **prompt**, **test**, **evaluate**, ~~**refine**~~, and then ~~**repeat**~~.

1 prompt for 43 langs, no iteration (yet)



The 3 pillars of Program Management of GenAI uses cases in Localisation

Be part of the decision

Operationalisation of GenAI use cases: be part of the strategic decision

Always a challenge

Depends on use case and positioning of each Localisation department

Leverage the opportunity

Invest in Upskilling

Use these projects as Learnings

Think what else can you make of them

Example: how can we scale in terms of evaluation? Are automated solutions an option?

Experiment and Educate

Educate stakeholders about GenAI applied to Localisation

One-size-fits-all approach may not always be the case

NMT may still be better depending on the use case

Thank you!

Paula Manzur & Emma Vila

paula.manzur@booking.com
emma.vila@booking.com