November 2022

Digital Banking Maturity 2022

Closing the Gap to Fully Digital User Experience in Banking

Deloitte.
Digital

Key insights

By comparing Belgian banks with each other & against global champions, we have highlighted 4 key insights.

01

Best Belgian banks are losing ground in the top league of digital banking functionalities

International banks continued to invest massively in new digital functionalities over the last two years and this effort has induced a relative fall back of the best Belgian banks in the international rankings. Belgian now counts only one bank in the "Digital Champions" league.

02

The Belgian digital latecomers show progress

In 2020, Belgium counted three banks in the "Digital latecomers" category. Today, we only count one. At the bottom of the peloton, digital efforts start to pay off, but the gap with the top Belgian banks remains very wide.

03

Growing digital advisory function of banks

Banks increasingly offer digital solutions to help clients investing (e.g. tools for automated investment advisory and portfolio management). It will be interesting to see how this will evolve when interest rates start to rise again!

04

Banks are becoming more than just banks

Leading banks are becoming multi-service platforms, with offerings in areas such as mobility, e-government, healthcare and e-commerce. In certain countries, we see banks offering online sales platforms and marketplaces, embedded in their digital channels.

DBM is the biggest benchmarking of digital banking channels in the world

COUNTRY

BANKS

POLAND

1 COUNTRY
15 BANKS

2016
Thought leadership material for European Financial Congress

CENTRAL EUROPE

16 COUNTRY
115 BANKS

2017
Covering 15 additional CE countries and over 100 banks

EMEA

38 COUNTRY
248 BANKS

2018
Expansion from CE to Western Europe and EMEA region

INTERNATIONAL

39 COUNTRY
318 BANKS

2020
Expansion to new regions and continents, including Americas and Asia

GLOBAL

41 COUNTRY
304 BANKS

2022
Biggest global digital banking study with participation of key global economies: USA, China, India, Brazil

Digital Banking Maturity is a global accelerator, helping banks respond to change

Digital Banking Maturity is the **biggest global digital banking study,** providing a comprehensive outside-in 'mystery shopper' assessment of retail banks' digital channels and furthering discussion about future developments.

304 BANKS ASSESSED

41 MARKETS COVERED

3 DIGITAL CHANNELS (*public website, internet banking, mobile app*)

6 CUSTOMER JOURNEY STEPS

17 CUSTOMER JOURNEY SECTIONS

1.2k+ FUNCTIONALITIES AND FEATURES

5k+ CUSTOMERS SURVEYED

203 LOCAL MARKET RESEARCHERS
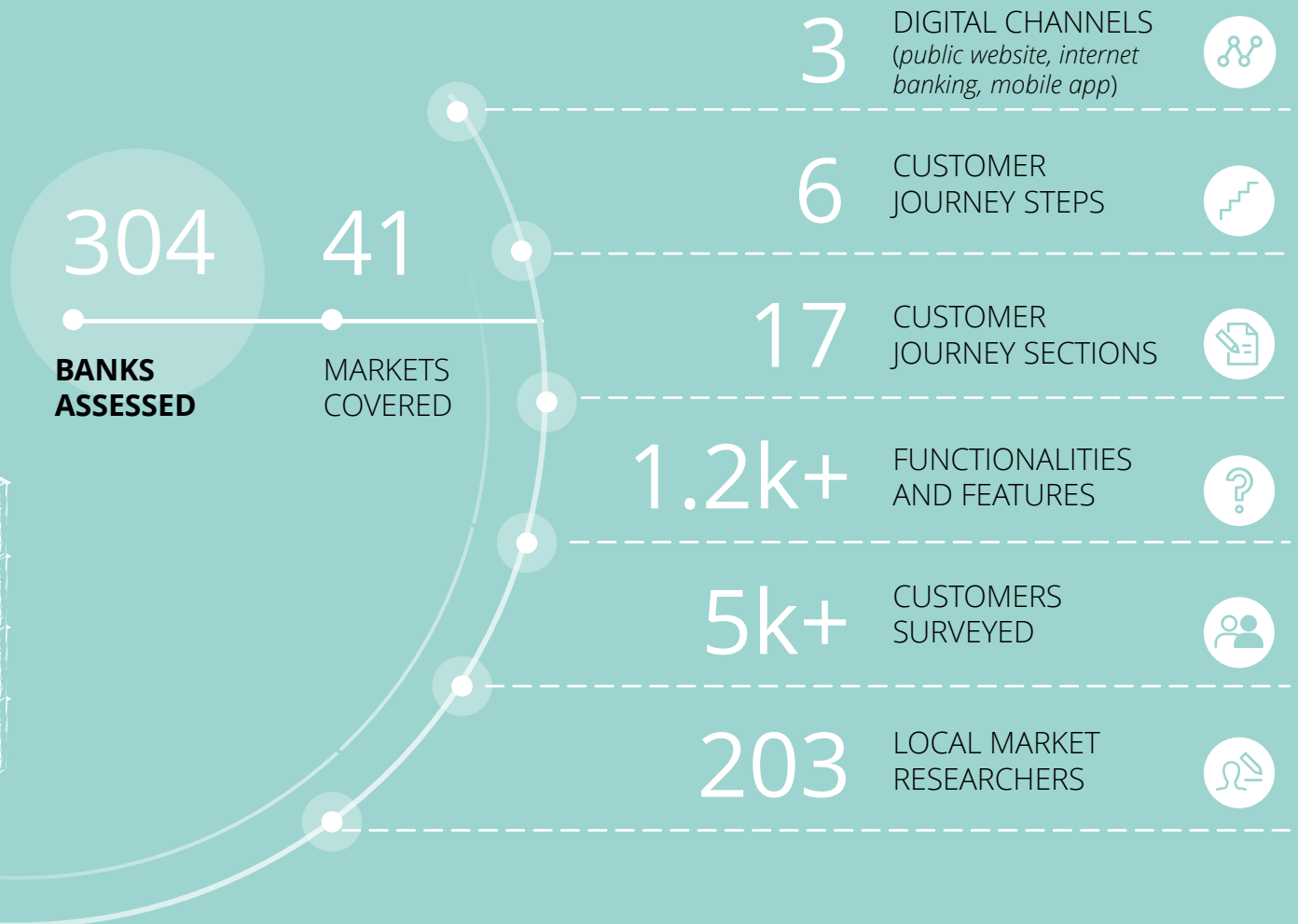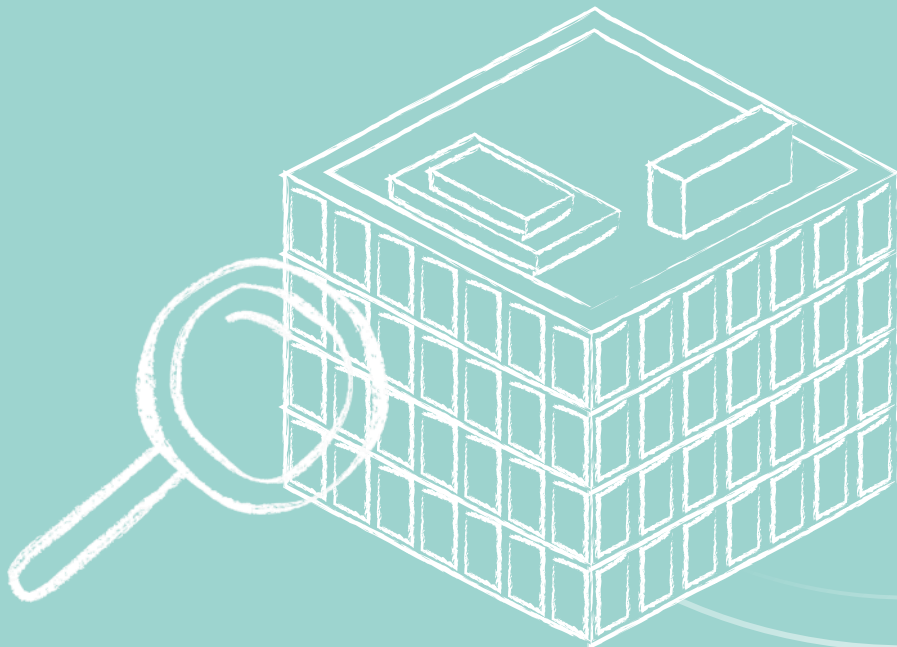
Three components were assessed in order to compare digital maturity between banks and identify best practices

FUNCTIONALITIES BENCHMARKING

Analysis of 1208 digital functionalities through 'mystery shopper' approach on real retail current accounts in each bank

- Assessment of 6 customer journey steps

- Analysis of digitalization of 19 banking products

- Functionalities library with world's leading practices

CUSTOMER NEEDS RESEARCH

Survey-based research focused on identifying 26 most important banking activities and preferred channels (branch, Internet, mobile), covering over 5000 responses

- Customer preferences between channels in terms of most common banking activities

USER EXPERIENCE STUDY

Analysis of general principles and best practices of user experience in banking

- Assessment of 15 selected scenarios reflecting key areas of customer activity at top UX banks from 10 countries

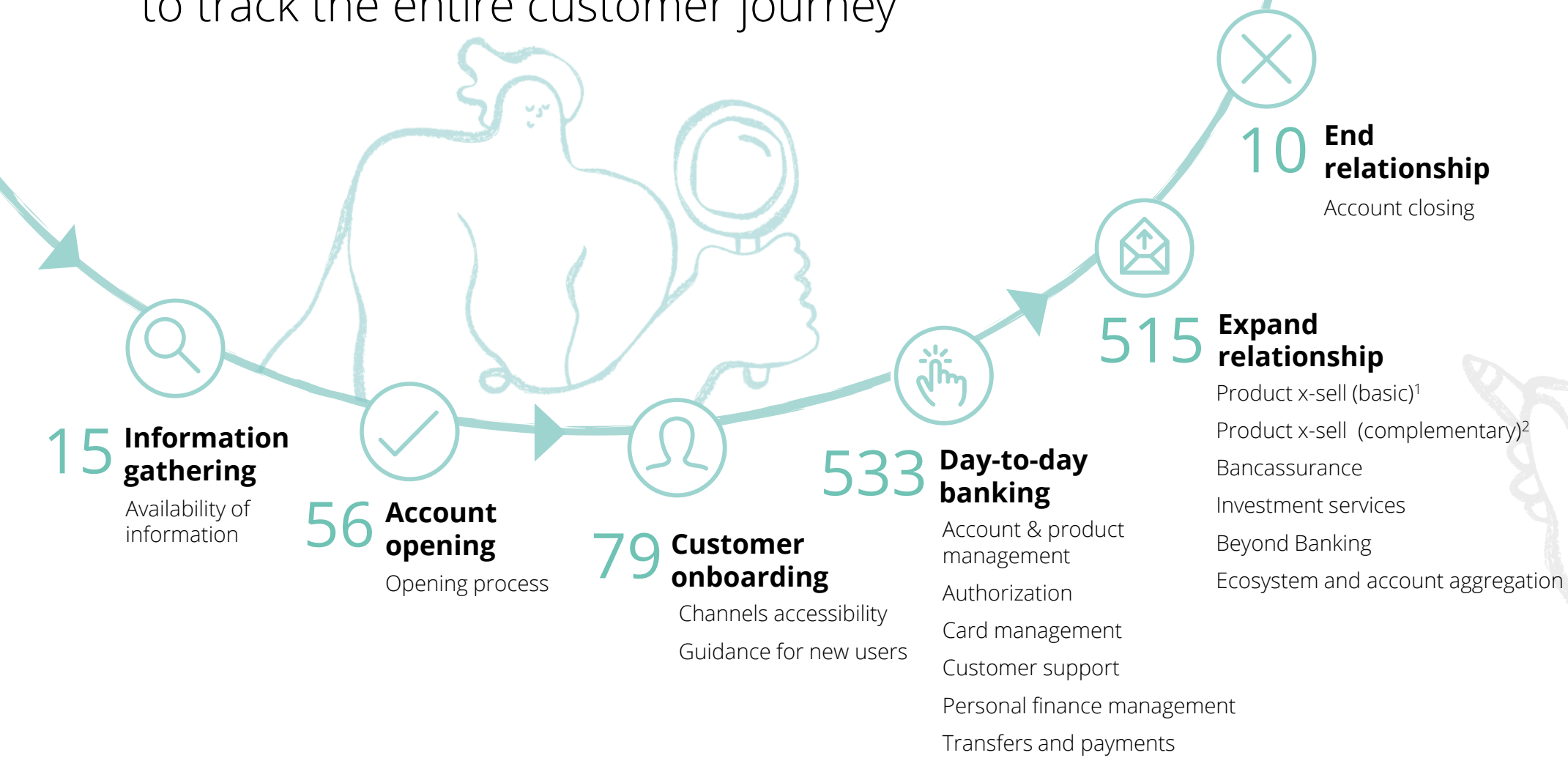- Identification of best practices and general leading principles in banking apps UX

FUNCTIONALITIES BENCHMARK

An exhaustive overview of banks' digital maturity

UX BEST PRACTICES IDENTIFICATION

Guidelines and insights into UX of digital banking channels

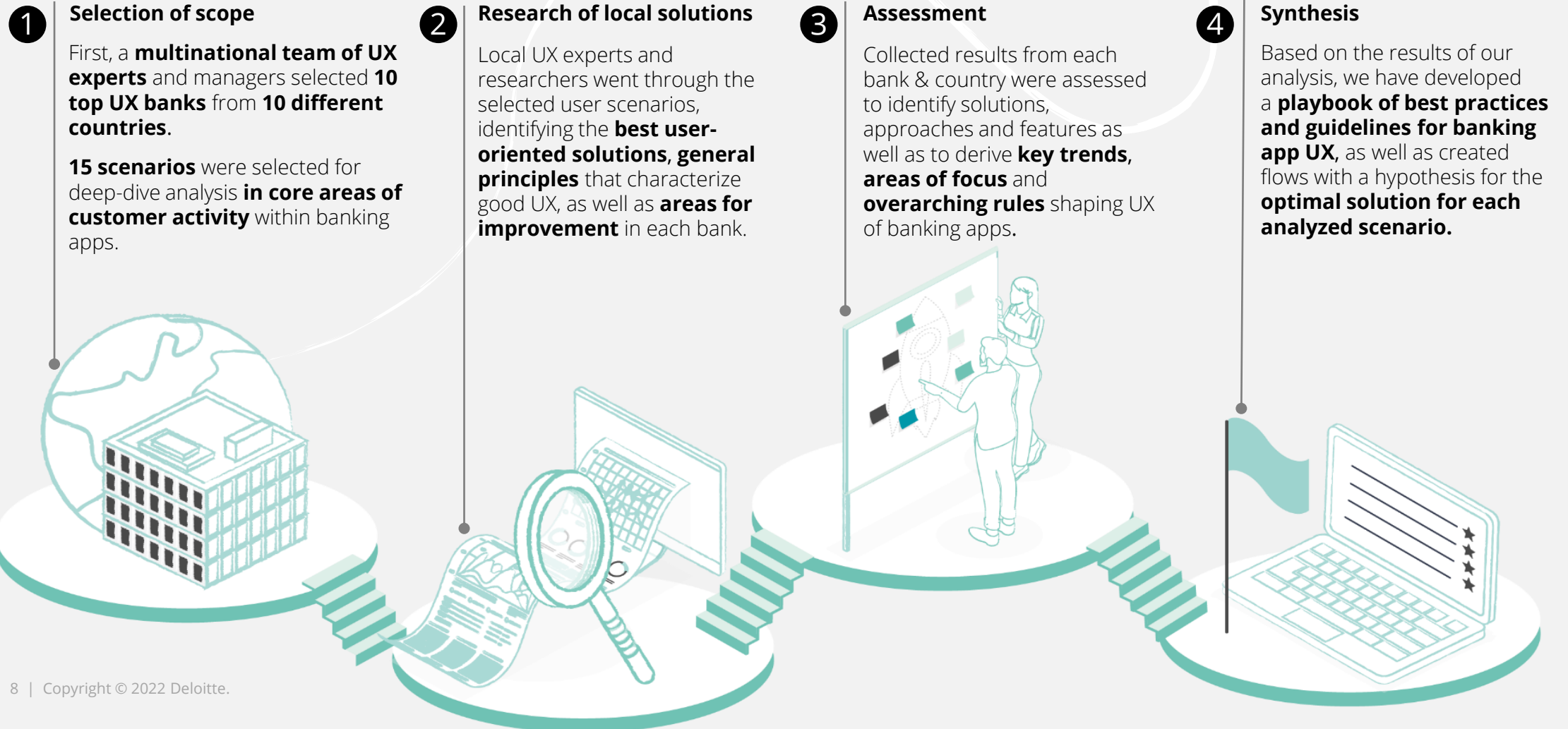# We have analyzed over **1200 functionalities** to track the entire customer journey

10 **End relationship**

Account closing

515 **Expand relationship**

Product x-sell (basic)[1]

Product x-sell (complementary)[2]

Bancassurance

Investment services

Beyond Banking

Ecosystem and account aggregation

15 **Information gathering**

Availability of information

56 **Account opening**

Opening process

79 **Customer onboarding**

Channels accessibility

Guidance for new users

533 **Day-to-day banking**

Account & product management

Authorization

Card management

Customer support

Personal finance management

Transfers and payments

Note 1. Product x-sell (basic) includes debit card, credit card, overdraft, cash loan, cheque, bank draft
Note 2. Product x-sell (complementary) includes car loan, mortgage, currency account, saving account, term deposit, private banking account
Note 3. Number of functionalities in 2020 : 1108 digital functionalities

Best UX practices were identified thanks to deep-dive research on selected players

1 Selection of scope

First, a **multinational team of UX experts** and managers selected **10 top UX banks** from **10 different countries**.

15 scenarios were selected for deep-dive analysis **in core areas of customer activity** within banking apps.

2 Research of local solutions

Local UX experts and researchers went through the selected user scenarios, identifying the **best user-oriented solutions**, **general principles** that characterize good UX, as well as **areas for improvement** in each bank.

3 Assessment

Collected results from each bank & country were assessed to identify solutions, approaches and features as well as to derive **key trends**, **areas of focus** and **overarching rules** shaping UX of banking apps.

4 Synthesis

Based on the results of our analysis, we have developed a **playbook of best practices and guidelines for banking app UX**, as well as created flows with a hypothesis for the **optimal solution for each analyzed scenario**.

Digital champions develop functionalities that help expand customer relationships and have built a significant advantage over other players

Functionalities benchmarking | Customer needs research | User Experience study

% of functionalities offered by banks[1]

Top categories

		Digital **latecomers**	Digital **adopters**	Digital **smart followers**	Digital **champions**	Advantage of **champions** over the **others**[2]
Information gathering	Availability of information					1.3x
Account opening	Opening process					1.5x
Customer onboarding	Channels accessibility					1.3x
	Guidance for new users					1.5x
Day-to-day banking	Account and product mgmt.					1.7x
	Authorization					1.6x
	Card management					2.3x
	Customer support					1.5x
	Personal finance management (PFM)					1.9x
	Transfers and payments					1.5x
Expand relationship	**Bancassurance**					2.7x
	Beyond banking					2.7x
	Ecosystem and account aggregation					2.9x
	Investment services					2.5x
	Product x-sell (basic)					1.8x
	Product x-sell (complementary)					1.9x
End relationship	Account closing					2.0x

Note 1. Data for 304 banks which were covered in 2022 edition
Note 2. Ratio of functionalities % between Digital champions and other banks score

Functionalities benchmarking · Customer needs research · User Experience study

Digital champions have invested significantly in bancassurance, card management, authorization and ecosystems areas since 2020

Where have Digital champions gained the biggest advantage over peers in the last 2 years?

Expand relationship functionalities (avg. 11 pp advantage) has been a top priority for *Digital champions*, especially **bancassurance and investment services** (19 pp advantage). Champions have also strengthened in **card management** (17 pp) and **authorization** (14 pp).

Digital champions increase in advantage over peers
difference between % of functionalities implemented by Digital Champions in 2020 and 2022, pp

Phase	Functionality	Value
Information gathering	Availability of information	+5
Account opening	Opening process	+3
Customer onboarding	Channels accessibility	+7
Customer onboarding	Guidance for new users	+3
Day-to-day banking	Account and product mgmt.	+5
Day-to-day banking	Authorization	+14
Day-to-day banking	Card management	+17
Day-to-day banking	Customer support	+6
Day-to-day banking	Personal finance management	+4
Day-to-day banking	Transfers and payments	+8
Expand relationship	Bancassurance	+15
Expand relationship	Beyond banking	+4
Expand relationship	Ecosystem and account agg.	+14
Expand relationship	Investment services	+19
Expand relationship	X-sell (basic)	+5
Expand relationship	X-sell (complementary)	+10
End relationship	Account closing	+0

Note 1. Based on the data for 30 Digital champions from 2022 edition & 32 Digital champions from 2020 edition

|

On some markets, remote account opening is becoming an industry standard offered by all major players...

Most banks offer the possibility to open a current account in end-to-end remote process but **Digital champions often offer this in both internet and mobile banking channels,** while most other banks offer this in only one channel or the other.

Mobile banking has a slight advantage over internet banking, as it enables the most common authentication method – taking a picture of the ID card.

% of banks offering end-to-end current account (CA) opening method[1]

Digital champions | **Other banks**

ANY CHANNEL[2]

80%
69%

MOBILE CHANNEL

67%
50%

INTERNET CHANNEL

63%
49%
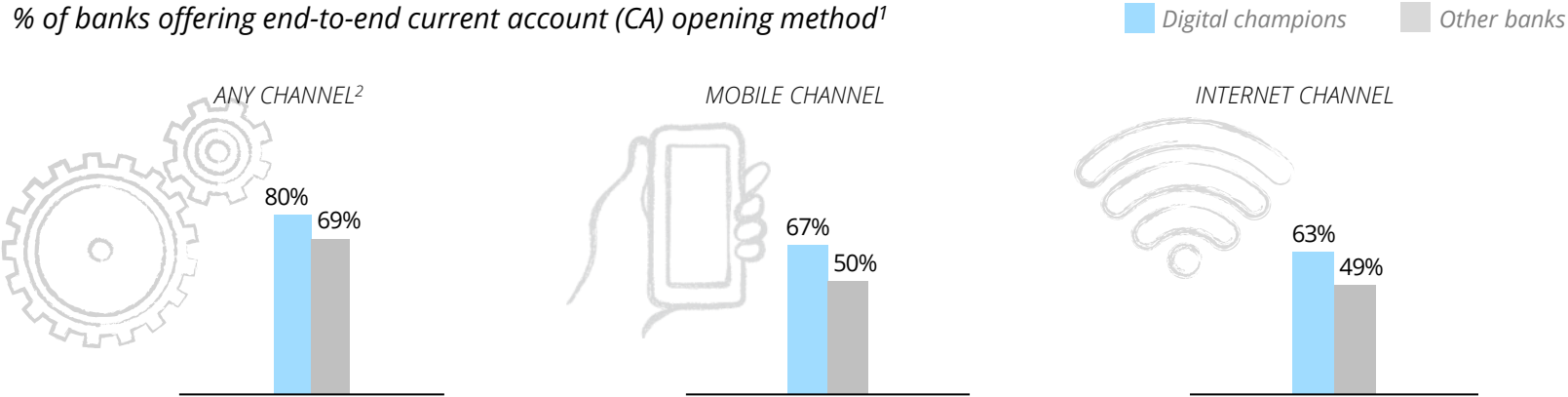
% of remote CA opening functionalities offered by banks[3]
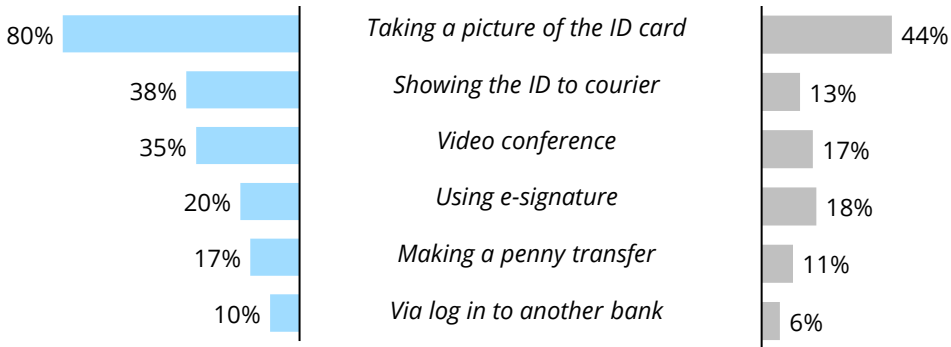
Digital champions	Functionality	Other banks
80%	Taking a picture of the ID card	44%
38%	Showing the ID to courier	13%
35%	Video conference	17%
20%	Using e-signature	18%
17%	Making a penny transfer	11%
10%	Via log in to another bank	6%

Note 1. Data for 30 banks classified as Digital champions and 274 other banks which were covered in 2022 edition
Note 2. % of banks offering end-to-end remote CA opening process in either internet banking, mobile banking or both channels
Note 3. Includes data from internet and mobile banking channels

A majority of Digital champions realize the potential of investing through digital channels but the gap of other banks in the area is significant

% of investment functionalities offered by banks[1]

■ *Digital champions* ■ *Other banks*

COMPLEXITY & INNOVATIVENESS →

BANK'S SERVICES

Enabling profitability analysis	75%
	41%
Publishing financial market insights	73%
	28%
Offering discretionary portfolio management	57%
	22%
Sending alerts and notifications on portfolio deviations	49%
	16%

AUTOMATION FEATURES

Automatic investment type profiling	77%
	32%
Allowing recurring purchases of assets	57%
	18%
Offering roboadvisory tools to create own investment portfolio	47%
	8%
Offering copy-trading for customers shadowing somebody else's portfolio	5%
	1%

NEW INVESTMENT TYPES

Offering crowdfunding & social lending opportunities	33%
	16%
Enabling peer-to-peer transactions	23%
	2%
Supporting cryptocurrency operations	10%
	1%
Developing NFT marketplace	3%
	0%

Note 1. Data for 30 banks classified as Digital champions and 274 other banks which were covered in 2022 edition, includes data for internet and mobile banking channels

Value added services are a differentiator, adopted mainly by Digital champions

Value added services can boost customer engagement and loyalty and, therefore, can support both **acquiring and retaining customers.** They can also provide banks with more customer data, enabling personalization **and financial products cross-selling.**

Top Value Added Services by category, % of banks offering given functionality[1]

	Digital champions	Other banks
Commercial		
Loyalty program	97%	70%
Special discounts and promotions	80%	35%
Mobile phone top-ups	67%	43%
Vending machines payments	30%	9%
Auxiliary services		
Password manager	70%	27%
Credit scoring	53%	15%
Cloud storage	47%	8%
Concierge	3%	0%
Mobility		
Buying parking and transport tickets	37%	15%
Paying for the motorway access	33%	9%
Booking hotels, flights, or trains	33%	11%
Buying access to airport lounges	17%	3%
Public services		
Registering a company	37%	1%
Purchasing healthcare package	30%	4%
Applying for social benefits	27%	6%
Submitting income tax form	23%	3%
Entertainment		
Buying tickets for cinema or theatre	27%	8%
Buying tickets for social events	17%	7%
Accessing video-on-demand	10%	3%
Ordering books or e-books	0%	3%

Functionalities benchmarking | Customer needs research | User Experience study

Digital champions implement marketplace functionalities that enable them to leverage post-pandemic e-commerce cross-selling potential

Post-pandemic changes in the use of digital channels have **encouraged banks to implement solutions designed for e-commerce** sales.

Automotive marketplace functionalities are more common among Digital champions than those for real estate marketplaces.

% of banks offering marketplaces and digital shopping solutions[1]

Digital champions | Other banks

E-COMMERCE / MARKETPLACE FUNCTIONALITIES
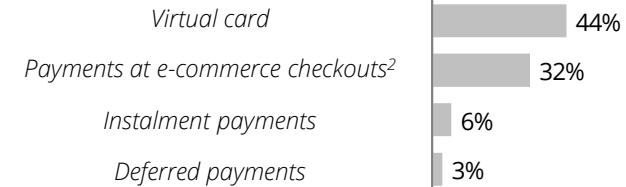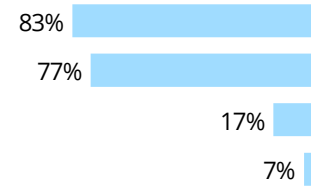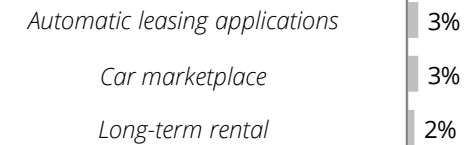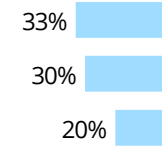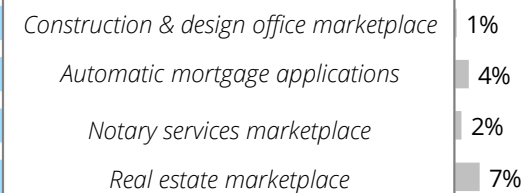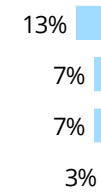
Digital champions		Other banks
83%	Virtual card	44%
77%	Payments at e-commerce checkouts[2]	32%
17%	Instalment payments	6%
7%	Deferred payments	3%

AUTOMOTIVE MARKETPLACE

Digital champions		Other banks
33%	Automatic leasing applications	3%
30%	Car marketplace	3%
20%	Long-term rental	2%

REAL ESTATE MARKETPLACE

Digital champions		Other banks
13%	Construction & design office marketplace	1%
7%	Automatic mortgage applications	4%
7%	Notary services marketplace	2%
3%	Real estate marketplace	7%

% of e-commerce functionalities offered by banks[1]

22% — Digital **champions**
7% — Other **banks**

3.3x

Customers prefer to use digital channels to perform day-to-day banking activities and search for information

MOBILE BANKING

Average preference for using mobile app[1]

41% (2020)
49% (2022)
+8 pp
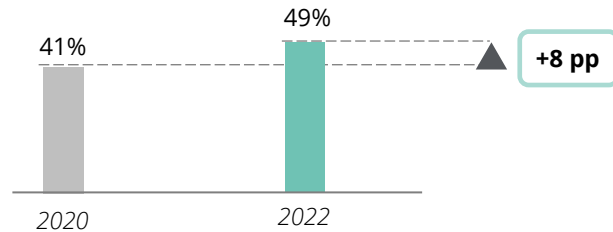
Key activities include:

- Checking current account balance
- Making payments and transfers
- Interacting via social media
- Banking channels management
- Personal Finance Management

INTERNET BANKING

Average preference for using internet banking[1]

38% (2020)
34% (2022)
-4 pp
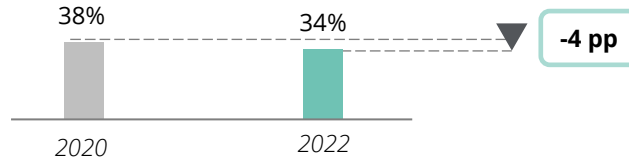
Key activities include:

- Searching for account information
- Account management
- Acquiring lending product information
- Looking for customer support
- Searching for insurance information

BRANCH

Average preference for a branch visit[1]

21% (2020)
17% (2022)
-4 pp
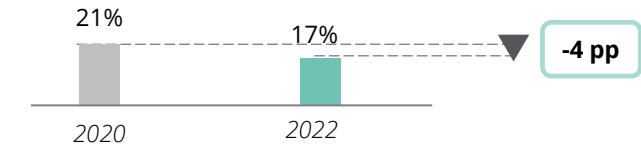
Key activities include:

- Applying for a mortgage
- Closing an account
- Filling a loan application
- Opening investment product
- Opening insurance product

Note 1. These results are calculated based on the global survey and are not country specific.
Note 2. Average share of respondents that prefer using this channel over other channels for 26 activities researched in the Customer Survey.
Note 3. % of customers who prefer to perform the activity via given channel over any other channel. Please note that survey was distributed mostly among Deloitte employees, which can influence the results.

Functionalities benchmarking | Customer needs research | User Experience study

We have mapped key user scenarios from **10 top UX players from around the world** to identify best practices and hypothesize **optimal user flows for** the enrolment and onboarding processes

Key digital banking user flows, analyzed and refined

End-to-end user scenario analysis of 10 top UX banks in different markets was conducted to see optimal experiences and understand context.
Best practices were identified for 15 key scenarios (with each step of the customer Journey represented) and refined to create hypothetical optimal user-friendly flows.
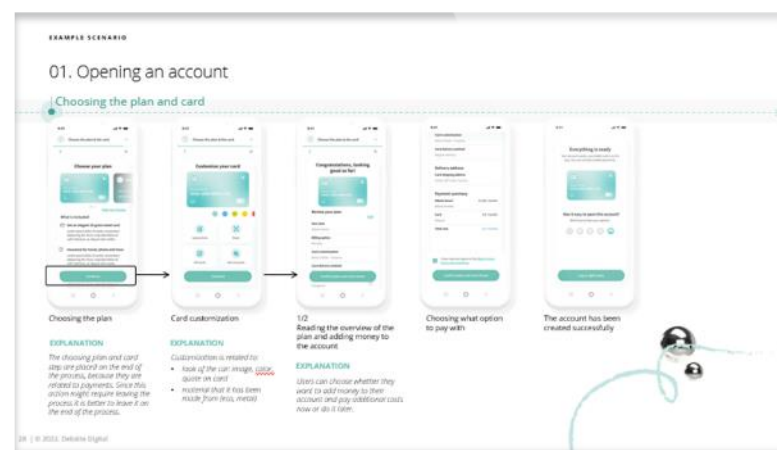
All do's & don'ts in one place

A playbook has been compiled to accompany the user flows covering key aspects to consider when designing optimal experiences: best practices to implement, bad practices to avoid and all the tips & tricks you need to know to support users on their journeys.
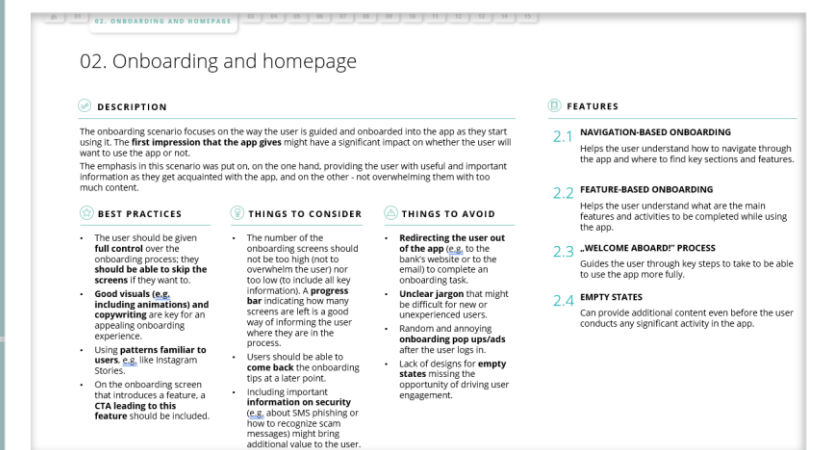
We have summarized the winning factors for all the 15 analyzed scenarios

Over **100 user experience-specific insights** grouped into **6 value creation categories** constitute a blueprint - Experience Matrix - that can be used as a reference point in designing flows and features for all kinds of banking processes and applications.

Functionalities benchmarking	Customer needs research	User Experience study

Quantitative analysis of user interaction with the app enables optimization of key user flows

In addition to qualitative analysis of user flows, we have also compared the **number of interactions needed to complete processes**.

Conciseness is one of the key aspects influencing mental fatigue and **potential user drop-off**, making it essential to an optimized flow.

By providing smoother user experiences, banks should be able to **decrease abandonment rates.**

An optimized flow for end-to-end digital opening a current account was found to be 41 taps versus a range of 70 – 144 in studied banks.

This optimized flow is the **most streamlined,** however its **implementation might differ** depending on local context and legal requirements.

This metric takes into account all taps required to complete the process, excluding those that are user-specific (manual keyboard input in fields such as name, email address, etc.). It does not take into consideration other important factors that enhance the user experience, and as such should not be used separately from the other findings from our research.

# of taps
- Opening a current account[1]

70 USA	**79** India[2]	**97** Poland	**112** Brazil	**144** Italy
74 Belgium	**92** UK	**102** Germany	**127** Netherlands	

Optimized flow
41
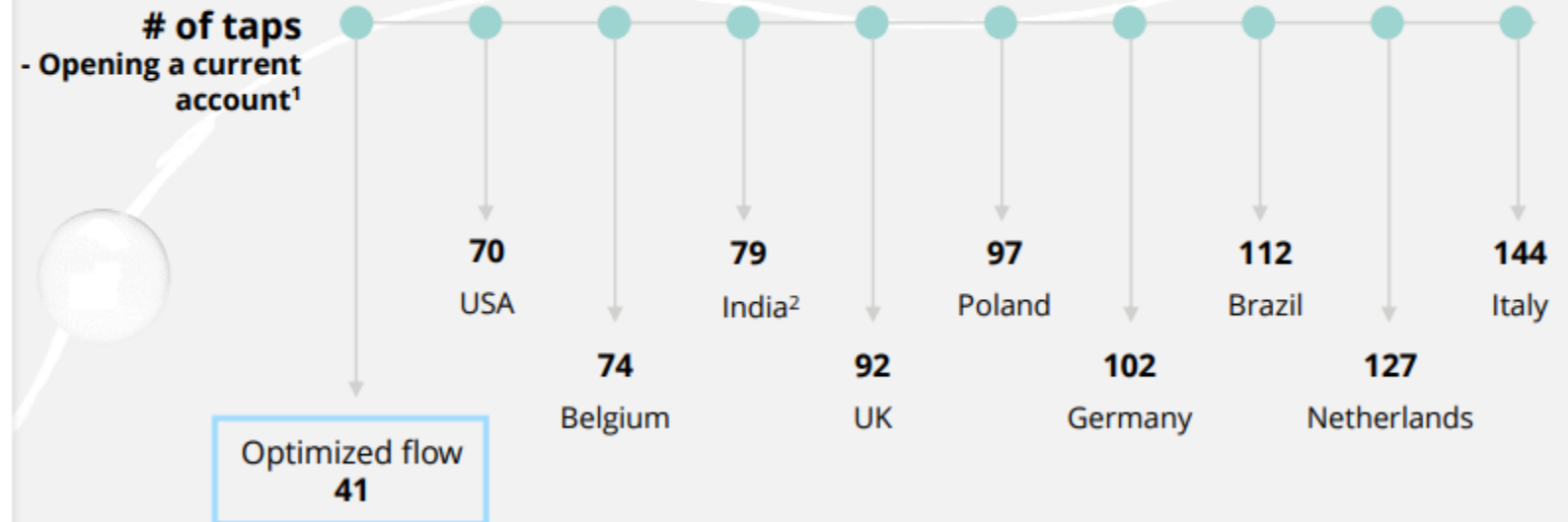
Example of the scenario – 'opening a current account'

OPENING A CURRENT ACCOUNT
Highlights and key areas of focus

In the following section, we present **the first of 15** scenarios that we have covered in our analysis – 'opening a current account'.

This particular scenario is pivotal in terms of the relation between the bank and the customer – it covers the first moment of interaction between the client and the bank, and if not designed and implemented correctly, it can lead to discouragement and in effect – user drop-off.

It also gives the initial impression of what the customer can expect from the digital ecosystem. This is important not only for clients starting their banking journey but also for those who have multiple accounts. The decision whether this new account will be the one used most often is dependent not only on the list of available features but also the overall quality of the experience.

15 KEY SCENARIOS WE FOCUSED ON:

1. Opening a current account
2. Onboarding in the app
3. Logging in to the app
4. Making a domestic payment/transfer
5. Requesting money
6. Applying for a mortgage
7. Applying for a personal loan *(e.g. cash loan)*
8. Leveraging third-parties services
9. Active investing
10. Managing your payment card
11. Checking account balance & transaction history
12. Tracking expenses
13. Contacting the customer support
14. Closing a current account
15. Other innovative user-oriented solutions

01. Opening a current account

Intro slide

A briefing slide that **explains the scenario and key takeaways**.

It includes:

- a brief description
- list of subscenarios
- list of best practices, things to consider and things to avoid

User flow slides

Golden standard user flow represented step by step, with all best practices taken from different banks.

Each step of the flow includes:

- a screenshot with the best practice
- logo of the bank and name of the country that the screenshot was taken from
- short explanation what makes this step best practice
- highlight of the part of the screen tapped by the user.

Detailed slides

One pagers with **detailed explanation of key features and user-friendly solutions**.

It includes:

- selected screenshot(s) from the flow, with relevant part highlighted if needed
- logo of the bank and name of the country that the screenshot was taken from
- detailed explanation what makes this step best practice.

01. Opening a current account

The "opening a current account" scenario

presents a flow for a **fully digital account opening process**. Particular attention has been paid to the **length**, **flexibility** and **clarity** of the process, as well as **available help** provided to **users**.

BEST PRACTICES

- Allow users to **pause** the process and **resume** it later.
- Keep the **process** as **short** as **possible**.
- Ensure that users always **know where** they **are** within the process.
- Ensure that the **process** of **ID verification** is **error-proof**.
- Allow users to **accept terms** and **conditions** after **reading** the **summary** of the most important points instead of opening the full T&C page.

THINGS TO CONSIDER

- Allow users to **skip steps** that can be completed **after creating** an **account**.
- Provide various types of **support throughout** the whole process.
- If users start the process but fail to complete it, make sure to **follow up** and provide support.

COMMON MISTAKES

- Avoid providing **content in text-heavy**, not mobile-friendly pages.
- Avoid **mixing** different **languages** within the process.

Starting point

Mobile website of the bank

The scenario starts with looking for information about a current account on the mobile website of the bank.
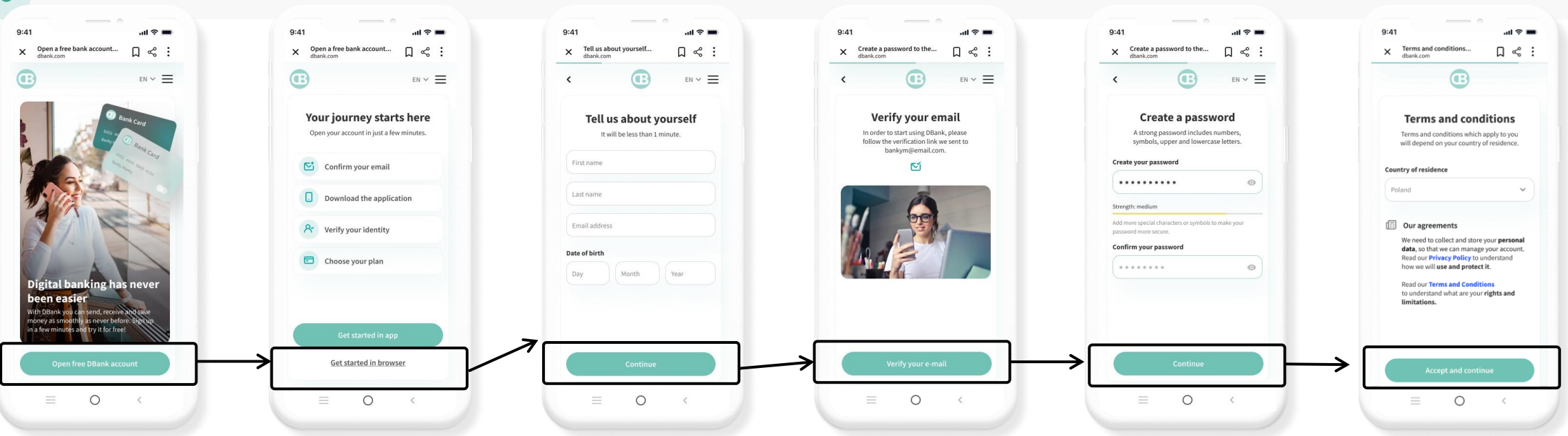
Ending point

Logging in to the application

The scenario ends when user is logged in to the created account and sees the homepage of the application.

Lowered drop-off rate

Enhanced customer loyalty & trust

Increased security

Customer engagement & retention

Enhanced brand perception

01. Opening a current account

Creating a user account

Looking for the option to open an account on the website

Reading the overview of the process and selecting to get started in the browser

Providing details required to open the account

Moving to email verification

Setting up a password

Accepting terms and conditions and any further bank-specific consents

EXPLANATION

The account opening Call To Action (CTA) should be prominently placed on the homepage, together with the most important benefits.

EXPLANATION

Users should be able to see a short overview of the process and start it either in the app or on the website.

EXPLANATION

The app should only require personal data necessary for creating an account (this might vary according to country regulation and the bank's policy). Any additional data (which can allow for personalization of offers and contents) should only be asked for at a later stage, once the account is already created.

EXPLANATION

This step helps to ensure that users have provided the correct email address. It increases error prevention in the process and allows for quick recovery in case of a mistake. The link included in the email redirects users back to the account opening process.

EXPLANATION

The password will allow users to securely log in to their account later in the process.

EXPLANATION

Users should be able to see the summary version of the documents before accepting them. Once the user accepts all necessary consents, an account is automatically created for them, which will allow them to pause the process anytime and resume it later.

Autofill the data from the photo of the document

DESCRIPTION

The app should **extract and autofill all relevant data** from the scanned documents, in order to minimize the manual input required from the user.

1 Users should have their **data automatically filled** from the **photo of the document**. They should be able to verify it and make modifications if necessary.
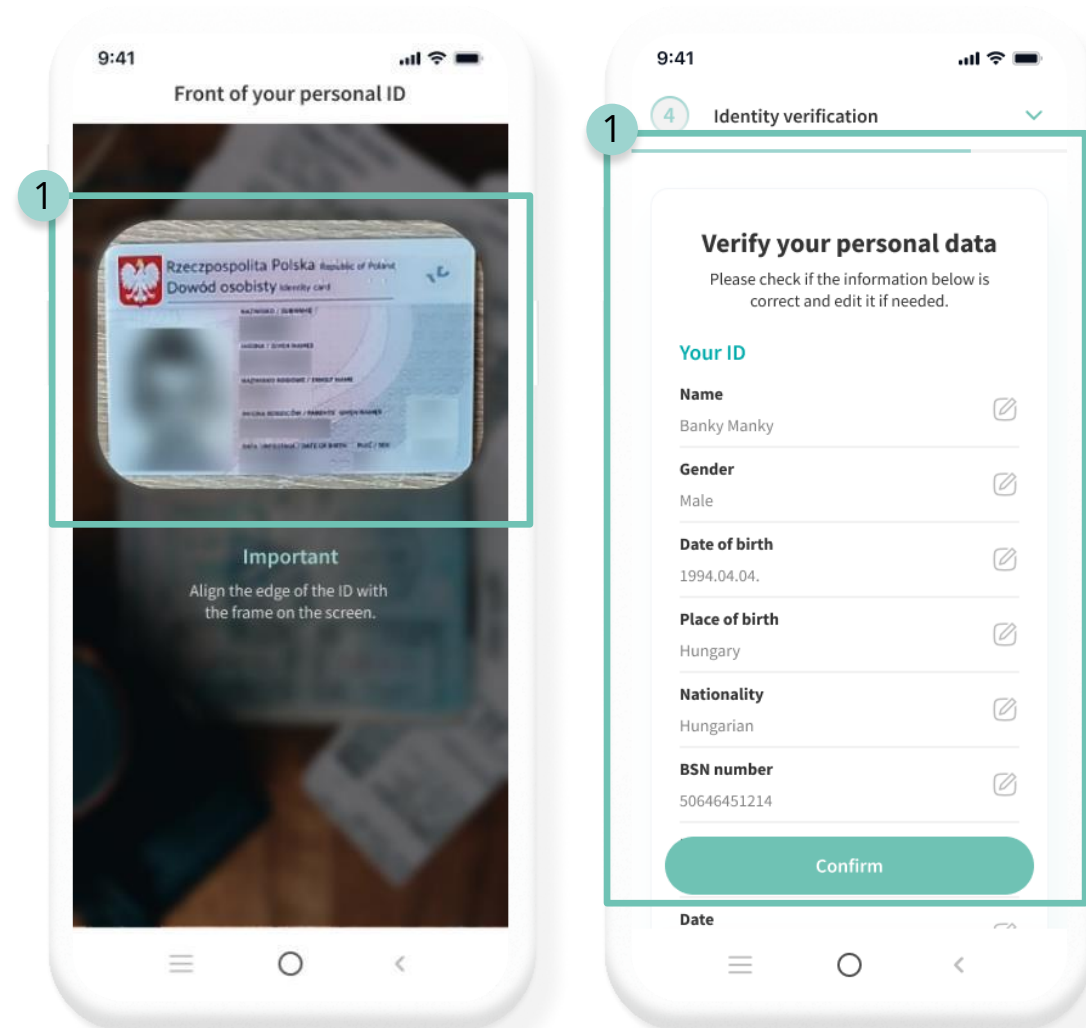
Ensure that users can track their progress and that they can stop and resume the process without losing the provided data

DESCRIPTION

1 Users should be able to see the **progress bar** while going through the entire process.

2 Users should be able to see the **overview of the whole process**, guiding them through steps and sub-steps that they need to take. It should indicate how they are progressing and how much they have left.

3 Users should be able to **stop the process and come back to it later**. The already provided information should be saved and the user should be able to resume the process from the same step.
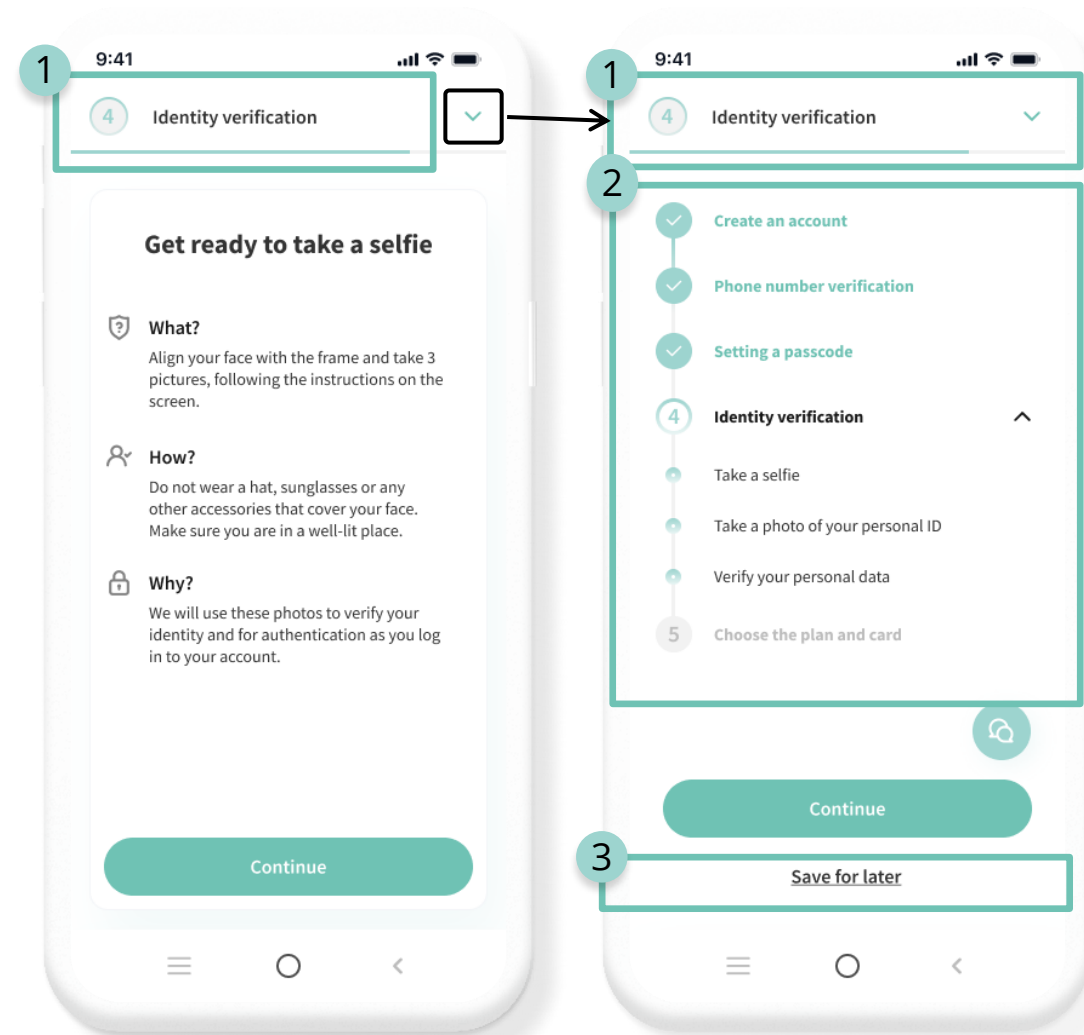
Our study divides banks into four groups, according to their level of digitalization, and identifies digital champions

What defines
Digital **champions?**

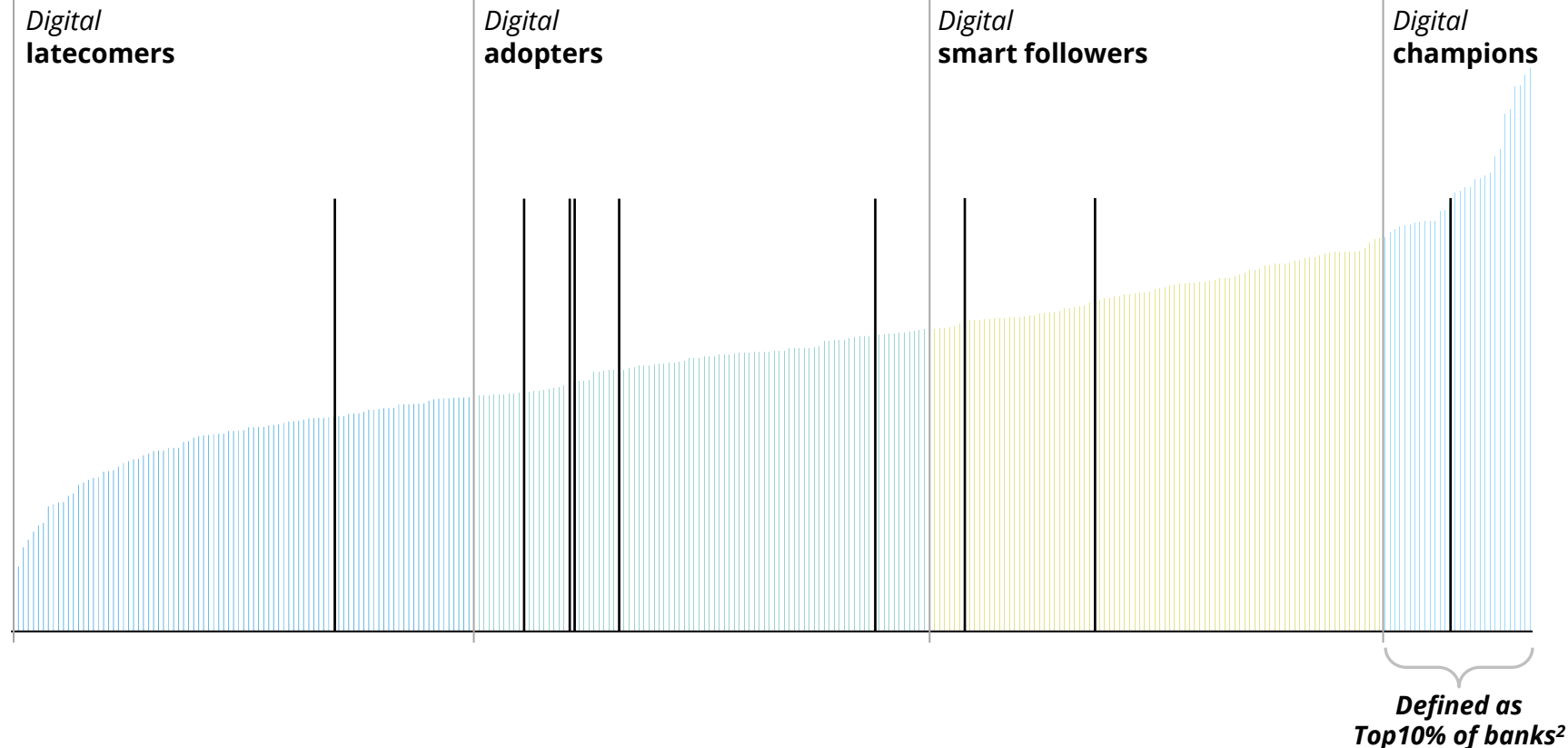*Digital* **champions** offer a **wide range of functionalities relevant for customers** and a **compelling user experience**.

Digital champions set **key digital trends** and have **leading market practices**, which makes them examples to learn from.

Legend :

Belgian Banks

DBM index[1]

Digital **latecomers**

Digital **adopters**

Digital **smart followers**

Digital **champions**

Defined as Top10% of banks[2]

Digital Banking Maturity score by customer journey step

DBM score by CJ step, in percentage (%) of all tested functionalities

Based on 1208 functionalities and UX features (6 customer journey steps) scored according to **global weights**

Legend:
- Best country
- Global average
- Belgium Average 🇧🇪
- Best Belgium Bank 🇧🇪

Information gathering
- 83%
- 62%
- 68%
- 80%

Account opening
- 87%
- 49%
- 63%
- 86%

Customer onboarding
- 52%
- 39%
- 40%
- 65%

Day-to-day banking
- 77%
- 44%
- 42%
- 63%

Expand relationship
- 62%
- 26%
- 28%
- 58%

End relationship
- 65%
- 21%
- 21%
- 61%
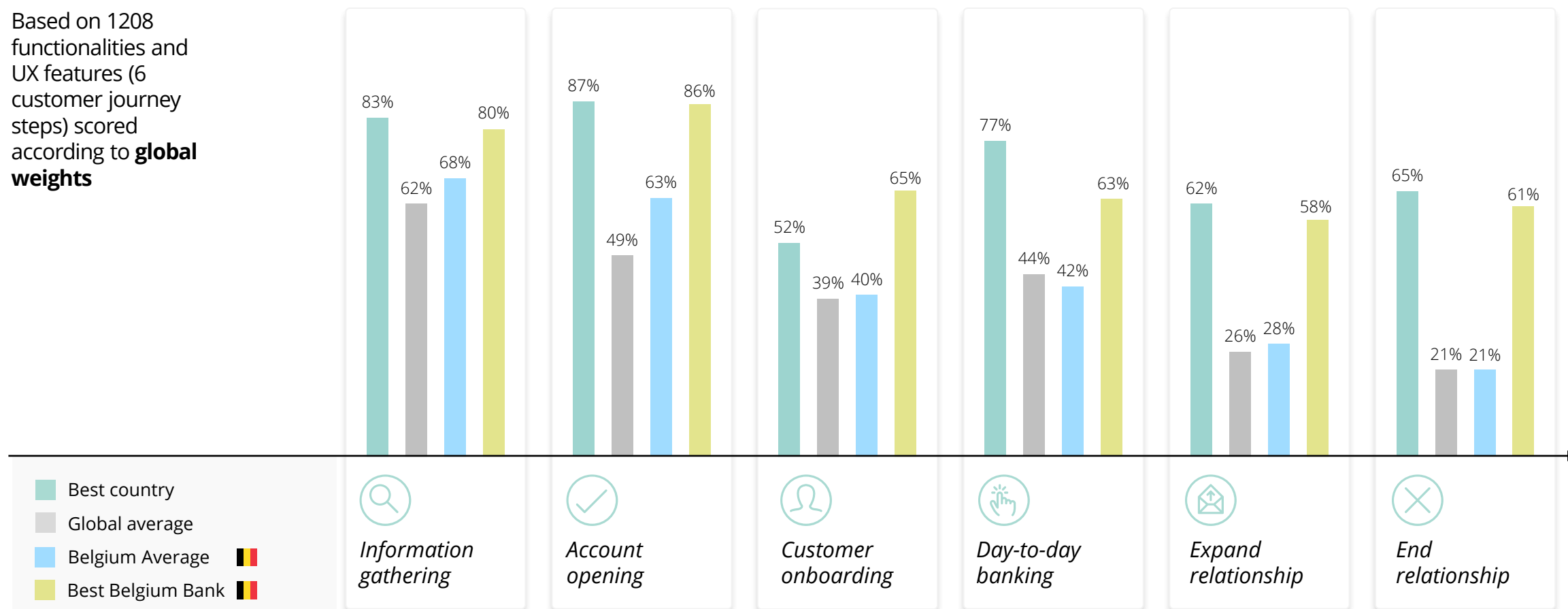
DBM score by channel

DBM score by CJ step, in percentage (%) of all tested functionalities

Based on 1208 functionalities and UX features (6 customer journey steps) scored according to **global weights**
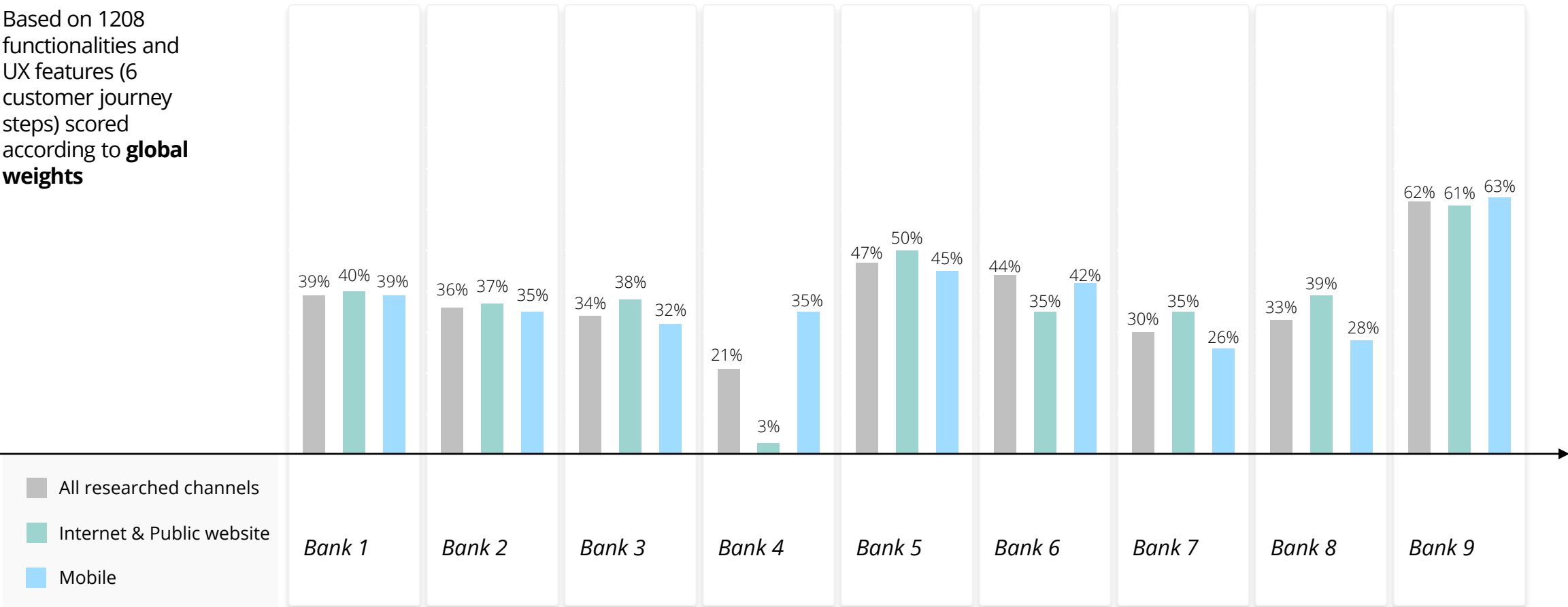

Legend:
- All researched channels
- Internet & Public website
- Mobile

Bank	All researched channels	Internet & Public website	Mobile
Bank 1	39%	40%	39%
Bank 2	36%	37%	35%
Bank 3	34%	38%	32%
Bank 4	21%	3%	35%
Bank 5	47%	50%	45%
Bank 6	44%	35%	42%
Bank 7	30%	35%	26%
Bank 8	33%	39%	28%
Bank 9	62%	61%	63%

DBM can help you in identify areas for improvement and inspire you with real-life examples of best practices

How developed is your market and what is the state of the competition?

Gain insights into the positioning of a country within global markets as well as an individual bank in comparison to local and global leaders.

What are the key trends and innovations appearing globally?

Learn more about the latest trends and developments in digital retail banking channels.

What does best-in-class UX look like?

Examine how UX features and functionalities are helping improve customer satisfaction, and see best practices of functionalities implementation from global banks

If you are interested in finding answers to those and other questions, reach out to Cédric Deleuze and Barbara Vanhauter.

Will you drive change or be driven by it?

Feel free to reach us for more information:

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