

Profitcard, Berlin, 13.06.2023 Kurt Schmid, Managing Director Digital Banking

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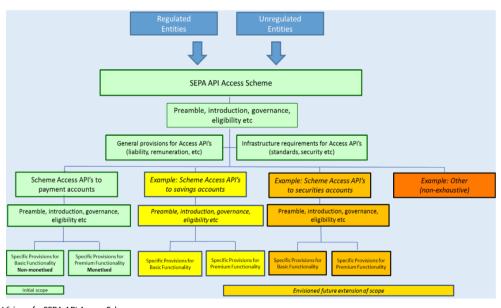
Banking Trends as Business Imperatives



Payment Service Directive III, Open Banking



#regulation #regtech #technology #open banking



Vision of a SEPA API Access Scheme

API standardization for openness and access from an account

SEPA Account Access (SPAA)

Regulatory broadening and enforcement

- scope of products and services under regulation BNPL solutions, contactless payments, digital wallets
- licensing, and supervision of TPPs, especially PISPs

Continuing the fight against fraud

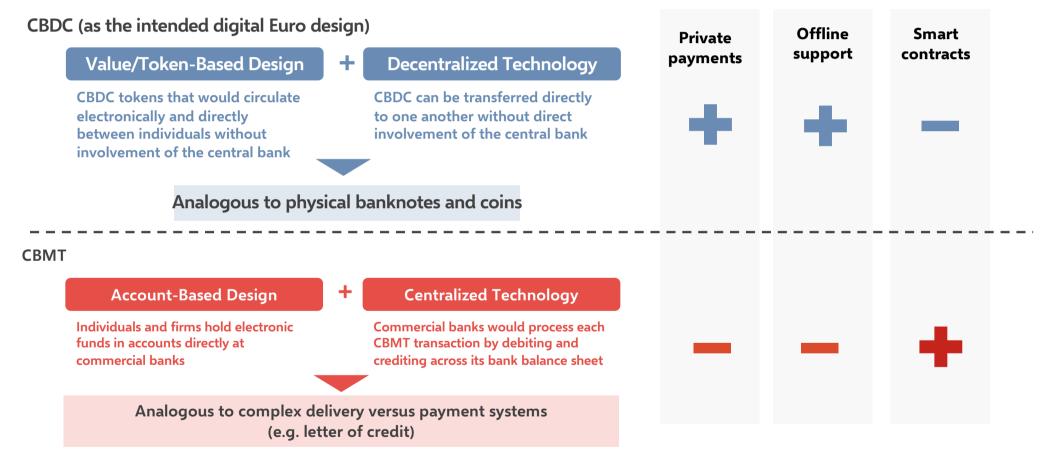
perhaps a revision of SCA



Central Bank Digital Currency / Commercial Bank Money Token



#regulation #regtech #technology #cbdc #cbmt



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Banking & Sustainable tools

#ESG #regulation #technology #Customer



der Deutschen

halten ESG für ein wichtiges Investitionskriterium, verglichen mit 57% aller Befragten.



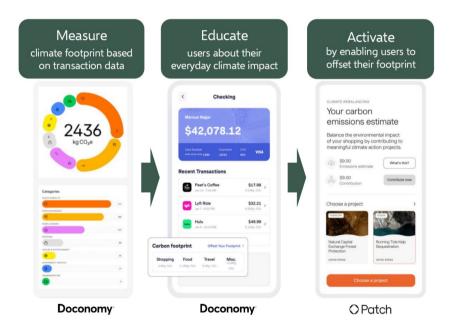
der Deutschen

würden den Service ihrer Bank nutzen, um den CO₂-Fußabdruck ihrer Einkäufe zu monitoren.



der Kunden

glauben zu 100%, dass sie Zugang zu wirklich ESG-konformen Produkten haben.



ToPay Green - convert transaction data into valuable insights and empower customers to take actions that benefit the environment

Source: Digital Banking Experience Report 2022 - ESG

Accessible & Inclusive customer experience



#ESG #regulation #technology #Customer

Can one product cater to the needs of all Customers?



Accessible/Inclusive customer experience

Providing distinct experiences and meeting the needs of diverse customer groups in terms of generations (kids, tech-savvy millennials, Gen Z, silver ager), physical disabilities, etc.

Fostering financial literacy

Educating customers to conduct banking business independently and autonomously, can enhance the user experience by providing a sense of control that increases engagement and moves towards a needs-centric customer strategy.

Regulation stepping in as a catalyst

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Al Trends in Banking

Key Trends:

- 1. Robotic Process Automation (RPA) for streamlining back-office operations.
- 2. Machine Learning algorithms for credit risk assessment and fraud detection.
 - 3. Natural Language Processing (NLP) for chatbots and customer service.
- 4. Personalized customer experiences through AI-powered recommendation systems.
 - 5. Predictive analytics for customer behavior and market trends.
 - 6. Al-driven virtual assistants for customer assistance and financial planning.
 - 7. Enhanced cybersecurity through AI-based threat detection and prevention.
 - 8. Automation of compliance and regulatory processes.
 - 9. Al-powered investment strategies and portfolio management.
 - 10. Improved operational efficiency and cost reduction through AI optimization.

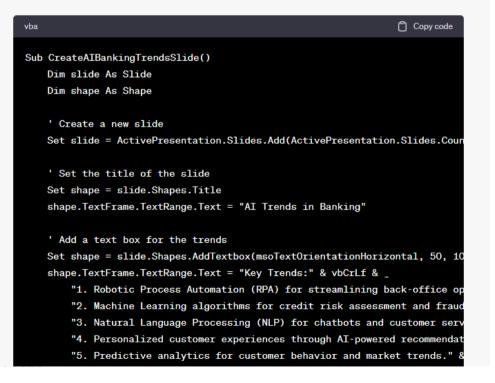
How was the previous slide generated?

ΚU

Write a Macro for powerpoint to make one slide for what are the trends for use of Al in banking



Certainly! Here's a VBA macro code that you can use in PowerPoint to create a slide summarizing the trends for the use of AI in banking:



```
"6. AI-driven virtual assistants for customer assistance and financi
"7. Enhanced cybersecurity through AI-based threat detection and pre
"8. Automation of compliance and regulatory processes." & vbCrlf & _
"9. AI-powered investment strategies and portfolio management." & vb
"10. Improved operational efficiency and cost reduction through AI o

' Format the text box
shape.TextFrame.TextRange.Font.Size = 18
shape.TextFrame.TextRange.Font.Bold = msoTrue

' Center align the text within the text box
shape.TextFrame.TextRange.ParagraphFormat.Alignment = ppAlignCenter
End Sub
```

To use this macro, follow these steps:

- 1. Open PowerPoint and press 'Alt + F11' to open the VBA editor.
- 2. In the VBA editor, insert a new module by clicking 'Insert -> Module'.
- 3. Copy and paste the above code into the new module.
- 4. Close the VBA editor.

- 5. Press 'Alt + F8' to open the macro dialog box.
- 6. Select the `CreateAIBankingTrendsSlide` macro from the list and click `Run`.

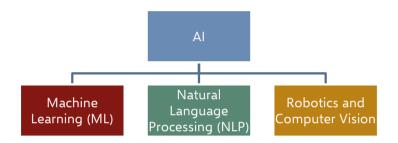
A new slide will be added to your PowerPoint presentation, titled "AI Trends in Banking," with a text box summarizing the key trends in AI usage in the banking sector. You can customize the content of the text box by modifying the text within the

[`]shape.TextFrame.TextRange.Text` lines in the code.

Artificial Intelligence / Machine Learning / NLP



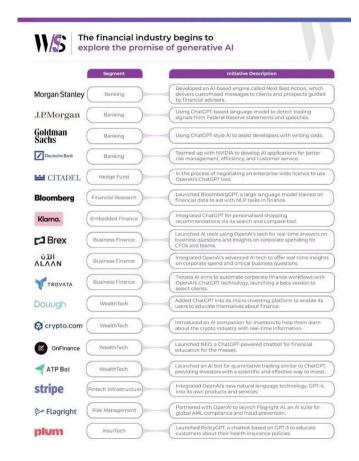
#technology #AI #generativeAI



Exhibiting intelligent behavior and performing complex tasks

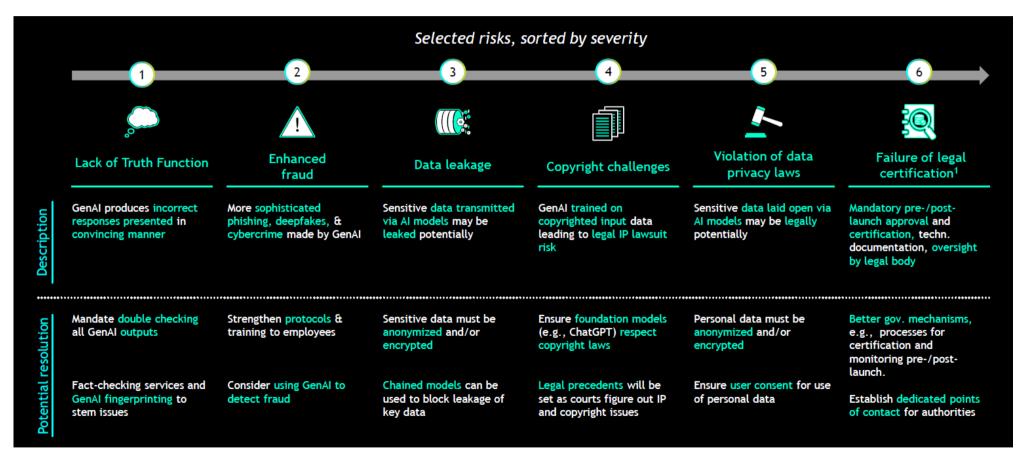
- Credit scoring and risk assessment
- Fraud detection and prevention
- Hyper-personalized Customer Experience
- Virtual assistants / conversational finance /wealth panning with Synthetic data generation & Generative AI (ChatGPT)

....towards Human-Centered AI solutions



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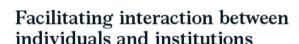
But there are challenges to be solved



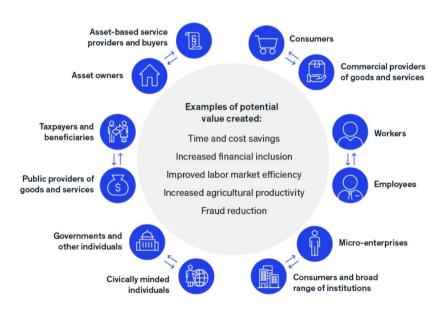
netcetela Source: Boston Consulting Group

Digital Identity

#technology #customers #digitalID



Digital ID facilitates 6 key types of interactions between individuals and institutions.



Digital identity enables residents and businesses to identify themselves and to share certain personal information with public and private services safely, often it is stored in an app/wallet.

Digital Identity wallets provide a secure and user-friendly tool for the identification of the customer and for the authentication of transaction / payment.

- Bank lead Digital Identity: Nordic countries, ich.app (AT)
- Cooperation models: e.g. itsme (BE), Verimi (DE)
- State-driven models: EUDI (EU Digital Identity)
- Decentralized models: Self Souvereign Identities (SSI)

Question: Which model will prevail?

https://www.mckinsey.com/capabilities/mckinsey-digital/our-insights/infographic-what-is-good-digital-id

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Super Apps

#technology #customers #wallet

Super-apps are already dominant in several markets



1.24 billion users China's leading social app has become a successful super-app, offering messaging, social networking, shopping, payments and other services for



230 million users A widely used digital wallet in China started by the marketplace giant Alibaba, Alipay's QR code payments are used by millions of businesses from luxury malls to street shops.



187 million users Southeast Asia's leading super-app. Grab. offers services in three main areas: deliveries (food, meals, packages, documents), transportation (ride hailing) and financial services (payments, e-commerce and insurance),



170 million users Although it started as a call centre for ride-hailing services, Indonesia's GoJek super-app now offers over 20 services in transport & logistics, food & shopping, payments, daily needs, business and news & entertainment.

150 million users India's leading super-app offers mobile recharges; utility bill payments; travel, movie, and events bookings; in-store payments; parking payments; tolls and payment at educational institutions through their QR code

Careem

48 million users Operating across 13 countries in the Middle East and North Africa, Careem offers a wide range of services including transportation, food, shopping, deliveries, payments and sending credit,



How apps become super apps



Super apps as a single digital platform for a wide range of virtual products and services. Instead of managing dozens of different apps, consumers enjoy a more convenient use of a one-stop platform for multiple tasks.

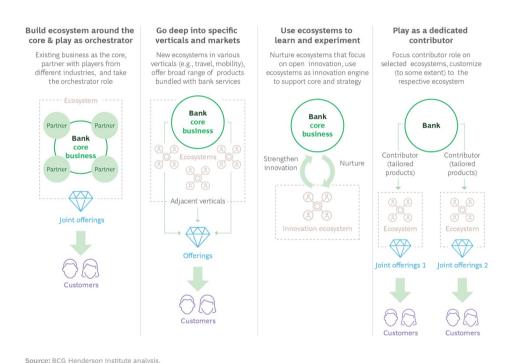
A digital wallet can be considered a super app once it provides more functionality than payments (e.g. identity, loyalty, digital receipts, offers...)

source: accenture.com/rise-of-the-super-app 12 uetceteta

Ecosystems, Embedded Finance

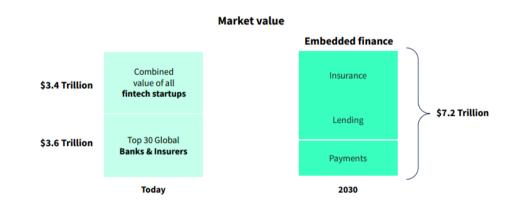


#business trends #customer experience #embedded finance



Value-based ecosystems as organizational forms characterized by a specific value proposition, and by a defined, albeit changing, group of actors with different roles such as consumer, supplier, orchestrator, complementary players

Embedded finance refers to the integration of financial services and capabilities into non-financial platforms, products, or experiences, enabling seamless and convenient access to financial services for users.



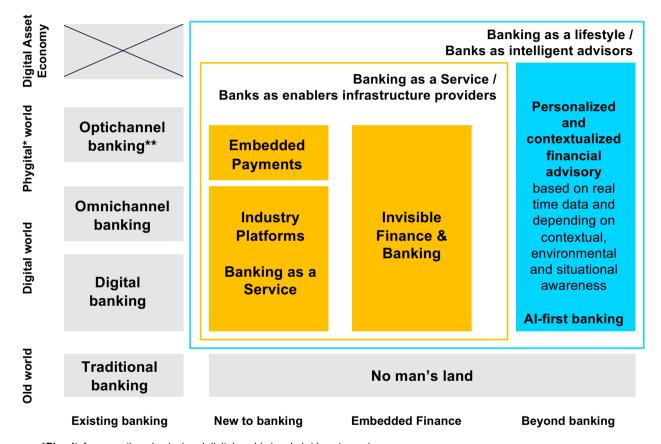




Please indicate by voting, the 3 most important trends to your business in the next 3 to 5 years:

- Open Banking, PSD3
- CBDC, CBMT
- Sustainability in banking and payments
- Accessible/inclusive customer experience
- Al & ML, Generative Al Personalized & contextualized banking
- Digital Identity (Bank lead)
- Super Apps / Wallets / Marketplaces
- Ecosystems, Embedded Finance

The Innovators Dilemma and Waves of Innovation



^{*}Phygital: connecting physical and digital worlds in a hybrid customer journey

Netcete13 Source: Capgemini model optimized by Netcetera 15

^{**}Optichannel: optimal cross-channel customer journey created for every customer and interaction to significantly improve sales and engagement



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Digital Banking & Payment @Netcetera



Netcetera is since Q1 2023 a majority owned Giesecke and Devrient company

In Q2 we created the "Digital Banking" division, with existing business coming from the ToPay Mobile Wallet, Mobile Banking in Switzerland and many bespoke banking projects

Netcetera is providing digital banking interfaces to more than 100 banks

Netcetera secures millions of banking and payment transactions daily

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Let's connect, exchange, discuss & engage!



Thank you!

Managing Director Digital Banking

https://www.linkedin.com/in/kuschmid/ in





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