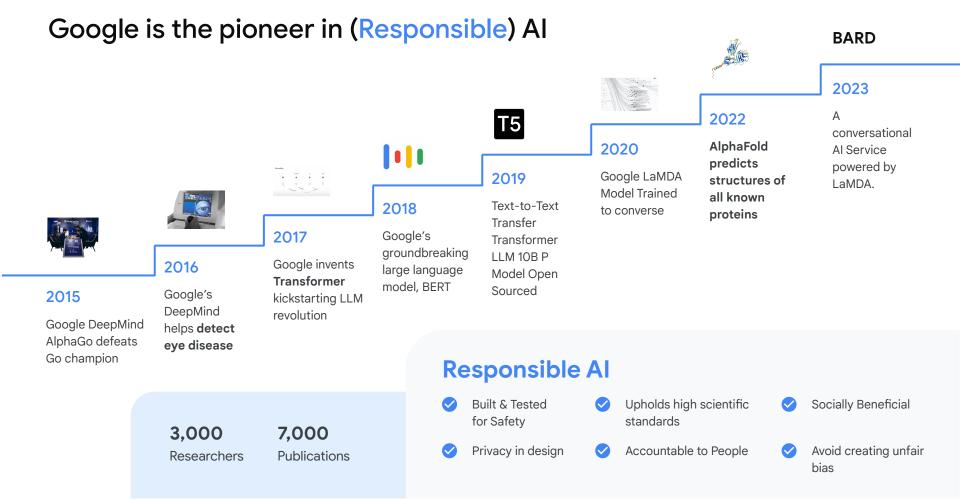
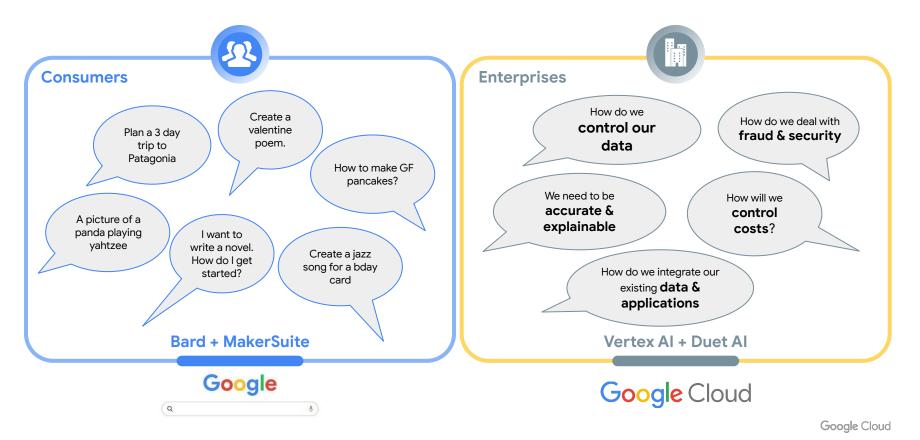
Google Cloud National Conference of State Legislatures

How Google Cloud thinks about (Responsible Gen)Al

Adelina Cooke, Global Al Public Policy lead adelinacooke@google.com

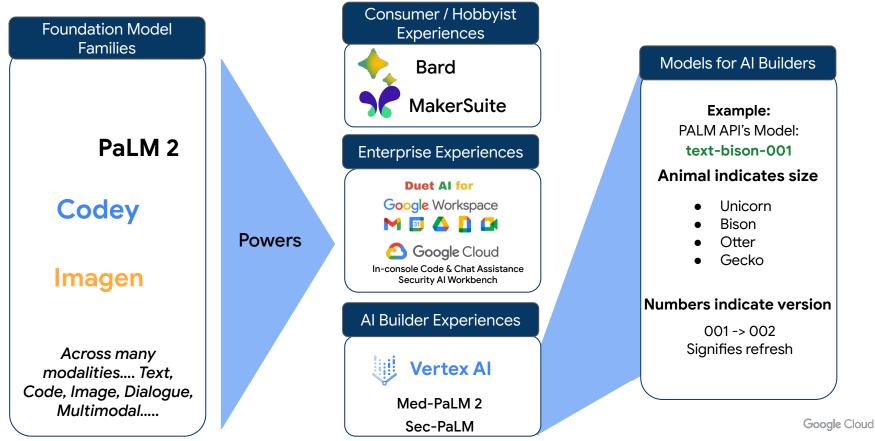


Consumers & enterprises have different needs....



Google's research drives a family of models

That power experiences for all users



Applying AI responsibly - policy considerations for a successful risk management

Enterprise readiness is at the core of our approach to Generative AI

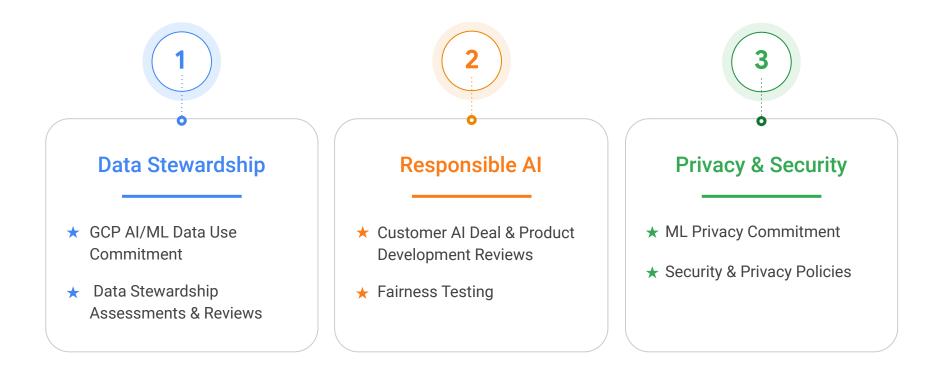




Data governance and privacy Security and compliance support Reliability and sustainability

Responsible Al

Cloud Governance Processes



You control your data, not Google

We ensure responsible use of data for Cloud AI/ML with these commitments to customers:



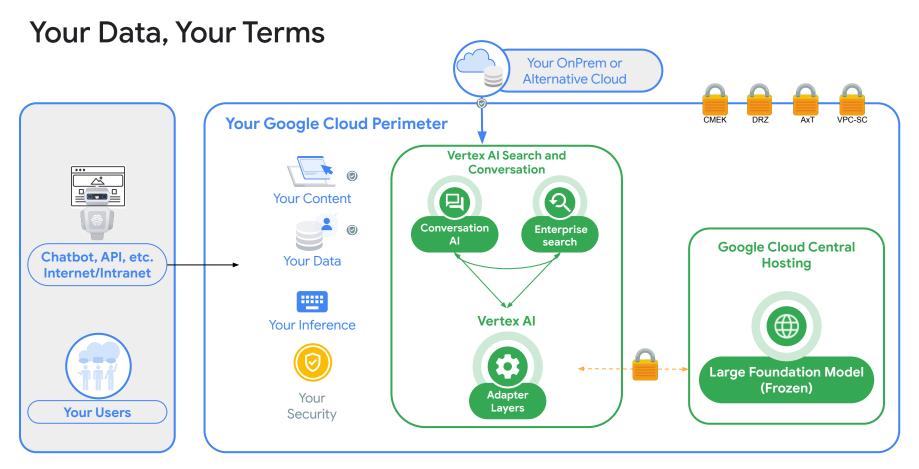
By default, we do not use customer data to train our models, in accordance with <u>GCP Terms</u> and <u>Cloud Data Processing Addendum</u>. Your customer data is only processed according to your instructions.



You benefit from our privacy experience and commitments to transparency, compliance with regulations such as the GDPR, and privacy best-practices.



Our extensive data governance & security controls provide you with confidence in the protection of your data from other customers, users, attackers, and unauthorized access by Google employees.



Google Cloud's approach to Responsible Al



Generative AI comes with its own set of unique challenges.

At Google, we are integrating Al into our products boldly and with a deep sense of responsibility and highest standards of information integrity with our Al principles.



Education, research & tools

Online training courses, guidebooks, research papers, product documentation, RAI best practices, Tensorflow Responsible AI toolkit

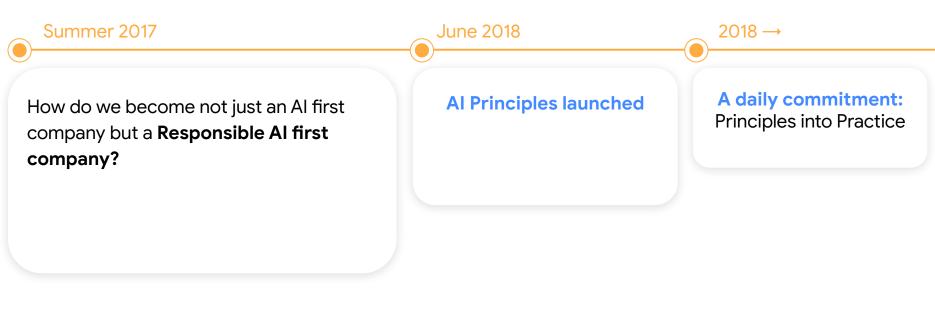
Product & use case reviews

Customer Al Use case & Product Development Reviews, Fairness Testing

Responsible AI offerings

ML Metadata, Model Registry, Model Monitoring, Technical Safeguards, Content Moderation API, Recitation Checker, and Unfair Bias Evaluation Tooling

Google's Al Principles: A timeline









Google's Al Principles

Al should:

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be socially beneficial

- avoid creating or reinforcing unfair bias
- be built and tested for safety
- be accountable to people
- incorporate privacy design principles
- uphold high standards of scientific excellence

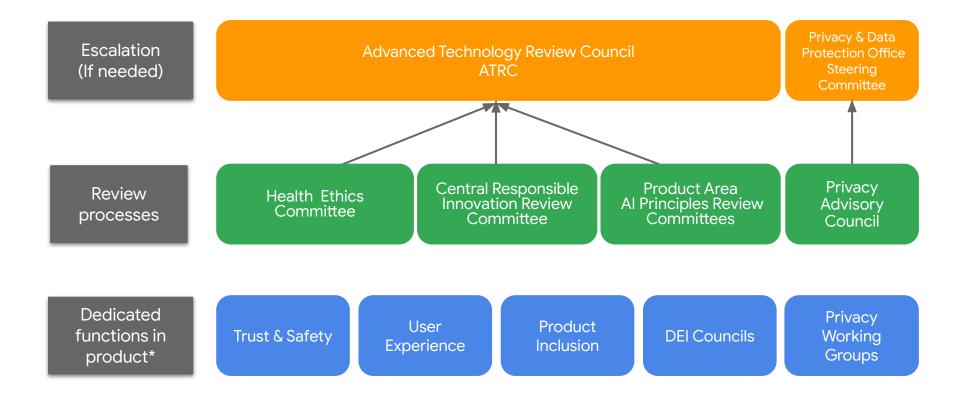
be made available for uses that accord with these principles

Applications we will not pursue:

- likely to cause overall harm
- weapons or those that direct injury
- surveillance violating internationally accepted norms
- purpose contravenes international law and human rights

4

Google AI Principles Structures and Processes



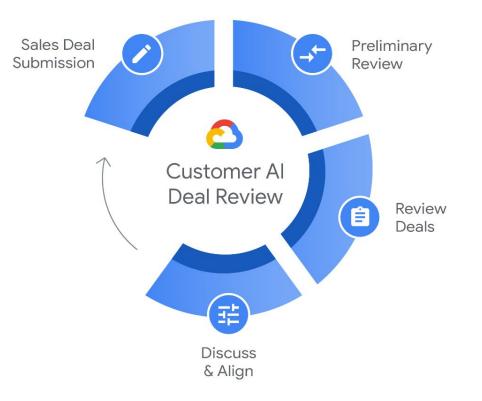
* This is not an exhaustive list, and does not include PA-specific teams and functions **More info in our <u>2021 AI Principles Progress Update</u> and at <u>ai.google/responsibilities</u>

Cloud Al Principles Reviews





Cloud Al product development review





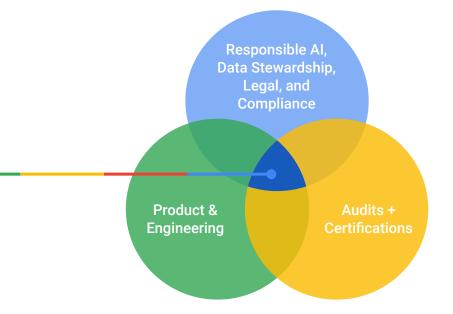
We support risk-based, proportionate AI regulation

Al is too important not to regulate.

- Google CEO Sundar Pichai, *Financial Times*, Jan. 2020

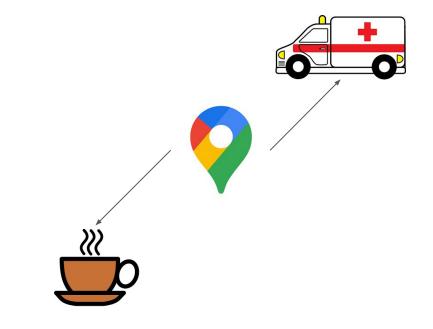
Google Cloud's Approach to Regulations

The Cloud GAPP team works closely with internal teams to ensure we are ahead of the curve to support our customers.



What is a risk-based approach?





Applying Al innovation

Pursuing a (Responsible) Generative AI transformation

Identify and prioritize use cases

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Evaluate business needs along with Generative and traditional AI capabilities.

Data first strategy

Bring together disjointed data sets and strong governance to lay a solid Al foundation.

Organizational readiness

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Assess your organization's current status along with costs and benefits of AI solutions.

Test and scale

Not all AI is built equal. POC often and fail fast to identify what works for your business.

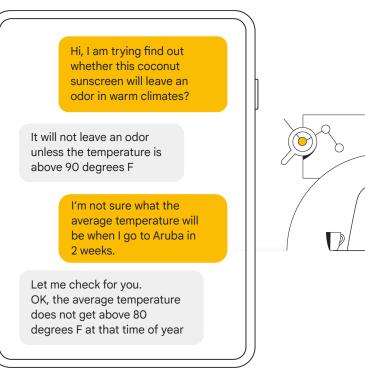
Increasing Employee and Operational Efficiency

Consumer/Employee Services Automation

Ingest company catalog data, consumer service training, employee guidelines and processes to equip chatbots to answer complex consumer and employee questions.

Allow for escalation in areas of risk (e.g. product safety or employee security.)

Example: A consumer can find out how a skincare care product will perform when she is traveling to a new country interacting with the company's Conversational AI.



Example only

Increasing Employee and Operational Efficiency

Employee Knowledge Search and Productivity

Quickly find the most relevant content via natural language search to **reduce hours of manual work**

Example: A global HR leader wants to find out the policy in each region on unused vacation days.



Hours spent navigating decades-worth of archives

Example only

vvvv

Summarized Vacation Policy Findings:

Our company has varying vacation policies across our six regions.

Allowed vacation days span from 15 per year to 30 per year depending on local laws and regulations.

In the US, employees use up 75% of their vacation days on average. In EMEA this average is slightly higher at 80%. In APAC.....

Duet Al for Google Workspace Enterprise

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Helps you write M 📄 in Gmail and Docs

Duet AI works behind the scenes to help you write whether it's refining existing work or helping you get started *****

Helps you	u visualize
in Slides	

With Duet AI, you can easily create images for presentations and meetings from a simple prompt Helps you organize in Sheets 😐

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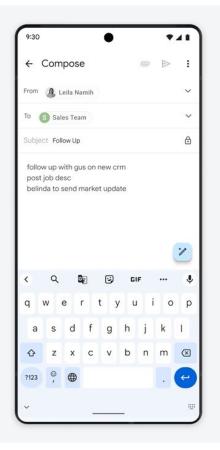
Duet AI is here to help you organize, classify and analyze your data faster than ever before Helps you connect in Meet

Duet AI helps you look and sound your best on video calls so you can focus on the conversation

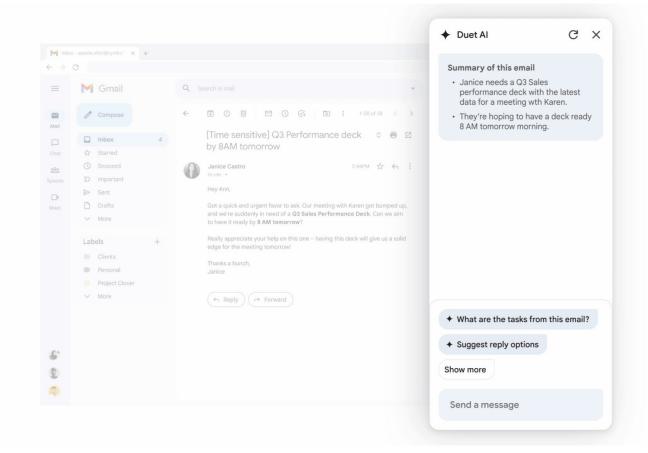
Help me write an engaging headline

Increasing Employee and Operational Efficiency

Duet AI: help write emails

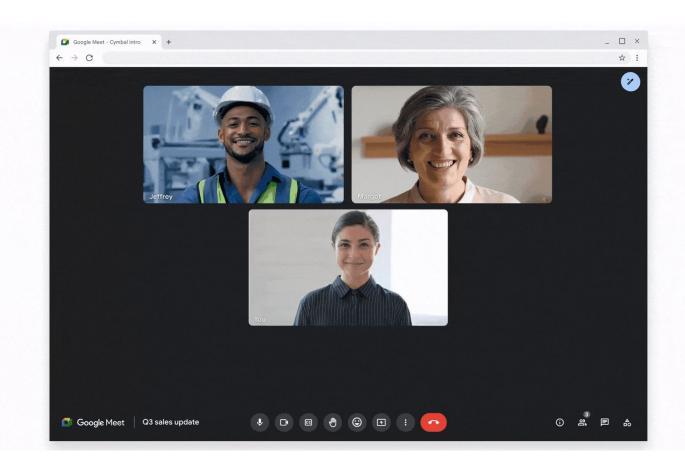


Duet Al across Workspace: Sales Performance

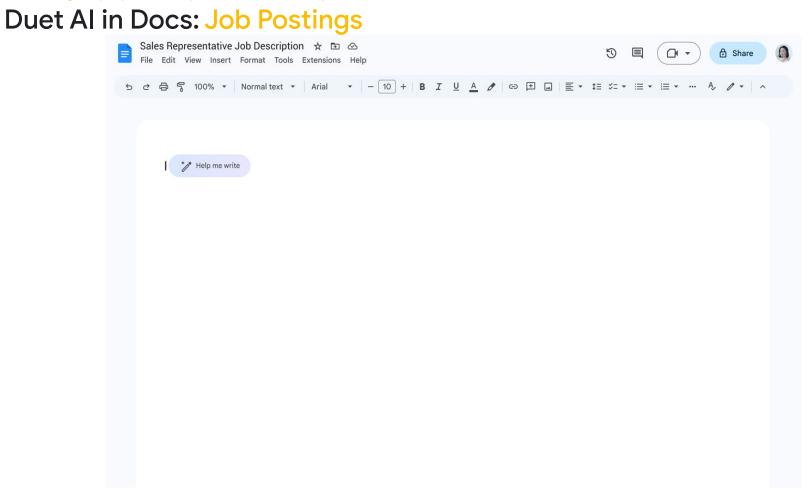


Increasing Employee and Operational Efficiency

Duet AI in Meet: Call summaries and action items



Increasing Employee and Operational Efficiency



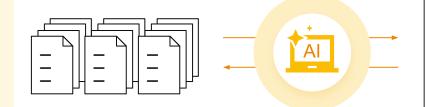
Drive cost and operational efficiency

Drive cost and operational efficiency

Document Search & Synthesis

Improve the ability to understand large document sets to help identify, summarize, and explain relationships to other documents.

Example: Using Gen AI, a relationship manager could quickly identify relevant contract clauses that need to be updated and then generate tailored communications to notify the customer of the change.



Existing Contracts

"Flag all customers with LIBOR in their contract and automatically send them updated T&Cs that alert them to the replacement of LIBOR" Example only

[Dear customer]

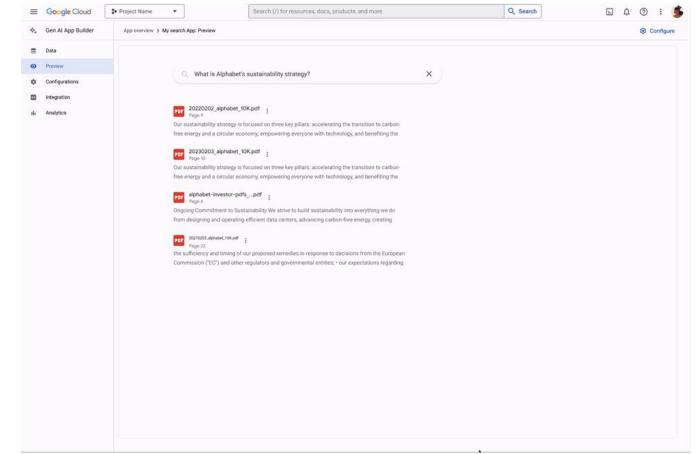
We are writing to inform you about an important change to your contract.

The London Interbank Offered Rate (LIBOR) is a benchmark interest rate that is used to price many financial products, including loans, mortgages, and derivatives.

Your contract currently refers to LIBOR. As a result of the LIBOR phase-out, we are updating your contract to reference a new benchmark interest rate, the Secured Overnight Financing Rate (SOFR)

Drive cost and operational efficiency

Vertex Al Search & Conversation



Thank you!

