GOUVERNEMENT
Liberté
Égalité
Fraternité

COMMISSION DE L'INTELLIGENCE ARTIFICIELLE

IA :
NOTRE AMBITION
POUR LA FRANCE

MARS 2024

Recommendations

6 Generalize the deployment of AI in all higher education courses and acculturate students in secondary education to make specialized courses accessible and attractive.

Leaders: Ministry of Higher Education and Research, Ministry of Education

7 Invest in continuing vocational training for the workforce and in training schemes around AI.

Leaders: Ministry of Labor and Ministry of the Civil Service

8 Train creative professions in AI, from the early years of higher education and on an ongoing basis.

Leaders: Ministry of Higher Education and Research; Ministry of Culture

4 years ago.
Time flies.

2018 - 2024

L'IA ne soufFLE jamais
La fine FLEur des outils FLExibles de l'IA pour le FLE

perplexity

ChatGPT

Gemini

Un boustrophédon désigne une
écriture dont le sens de lecture
change alternativement d'une
ligne sur l'autre.

/(reg)ex/

oulipo

cémantix
sémantique
synonyme

PLAC
G ORG S
P R C
2012

la disparition

// Débutons avec un exemple simple !
mon premier programme :
    // En Linotte, le code est structuré.
    // On déclare les variables dans
    // un premier temps,
    prénom est un texte
    // Puis on construit son programme :
    affiche "Quel est ton prénom ?"
    demande prénom
    affiche "je vais épeler les lettres"
    pour chaque prénom affiche joker

cedille

Linotte le langage pour apprendre à programmer facilement

AI & Society: Knowledge, Culture and Communication

Building AI Literacy for Humanities Students: Teaching Beyond Generative AI
--Manuscript Draft--

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Corresponding Author:	Bruno GALMAR, Ph.D. National Central University College of Liberal Arts 中壢區, 桃園市 TAIWAN
Corresponding Author Secondary Information:	
Corresponding Author's Institution:	National Central University College of Liberal Arts

CÉDRIC VILLANI

Mathematician and
Member of the French Parliament

**FOR A
MEANINGFUL
ARTIFICIAL
INTELLIGENCE**

TOWARDS A FRENCH
AND EUROPEAN STRATEGY

Mission VILLANI

**DONNER UN SENS
À L'INTELLIGENCE
ARTIFICIELLE**

POUR UNE STRATÉGIE
NATIONALE ET EUROPÉENNE

2018 report by Fields Medal winner C. Villani

Composition of the mission

Marc Schoenauer Principal Senior Researcher with INRIA •
Yann Bonnet General secretary to the French Digital Council •
Charly Berthet Head of legal and institutional affairs at the
French Digital Council • **Anne-Charlotte Cornut** Rapporteur of
the French Digital Council • **François Levin** Head of economic
and social affairs at the French Digital Council • **Bertrand
Rondepierre** Engineer for the French defense procurement
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國際科學教育論壇
International Science Education Forum

Prof. Cédric Villani

Fields Medalist 2010
Professor of the University of Lyon
Member of the French Academy of Sciences
President of the Office Parlementarian
Parliamentarian for the Evaluation of Scientific and Technological Choices

Math and AI education and applications in France

1st April 2021 , 2:30 pm (GMT+8)

臺灣科學特殊人才提升計畫
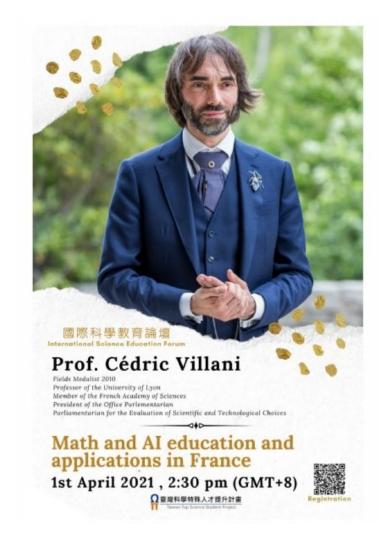Taiwan Top Science Student Project

Registration

Table 10.3. Country priorities in generative AI regulation in education (2024)

	Data protection and privacy	Bias and fairness in output	Transparency and explainability of algorithms	Technical accuracy and reliability	Possible skill attrition	Cultural and linguistic relevance of output	Intellectual Property protection	Other (e.g., equity)	Cost
Austria	++	+	+		++	++			
Canada	++	++	++	+			+		
Czechia	++	+	+				++	++	
Finland	++	+	++		++	+			
France	++	++	++	+			+		
Hungary	++			++	+	+			++
Japan	+	+	+	+			+		
Korea	++	++	++						
Latvia	+			++	+	++	++		
Luxembourg	++	+			+	++	++		
New Zealand	++			++		++			
Slovakia	+		+	+	+				
Spain	++	++	++		++	+			
Sweden	+	+			++			++	
Türkiye	++			++		++		+	
England (United Kingdom)	++	+		++			+	++	
Flemish Comm. (Belgium)	++	+	++	++	++				
Total	**17**	**12**	**10**	**10**	**9**	**8**	**7**	**4**	**1**

Note: "Top 3 priorities" are marked with "++", while "Other important concerns" are marked with "+". Countries and jurisdictions could not select more than three "Top 3 priorities", and up to five answers in total. N=17.

Exemples de grands modèles de langage à l'état de l'art et des politiques d'ouverture associées

	Année	Nb. maximal de paramètres (en mds)	Architecture publique	Modèle entraîné ouvert	Données ouvertes	Conversationnel (RLHF)	Accessible aux utilisateurs (UI ou API)
BigScience BLOOM	2022	175	✔	✔	✔	✘	✔
Google GLaM/PaLM	2021/2022	1200/540	✔	✘	✘	✘	✔ API payante
Google LaMDA/Bard	2022	137/?	✔/✘	✘	✘	✔	✔ UK/US
Meta OPT	2022	175	✔	✔	✔	✘	✘
Meta BlenderBot3	2022	175	✔	✔	✔	✔	✔ US
Meta LLaMA	2023	65	✔	✔	✔	✘	✘
OpenAI GPT-3	2020	175	✔	✘	✔ 1re version seulement	✘	✔ option payante
OpenAI GPT-3.5 (InstructGPT /ChatGPT)	2022	175/?	✔/✘	✘	✘	✔	✔ option payante
OpenAI GPT-4	2023	?	✘	✘	✘	✔	✔ API et UI payante

(Pôle d'expertise de la régulation numérique, 2023)