

**STATEMENT OF INTENT**  
**BETWEEN**  
**THE DEPARTMENT OF ENERGY OF THE UNITED STATES OF AMERICA**  
**AND**  
**THE COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES OF FRANCE**  
**CONCERNING**  
**COLLABORATION ON ARTIFICIAL INTELLIGENCE AND BIG DATA**

The Department of Energy of the United States of America (DOE) and the French Atomic Energy Commission [Commissariat à l'Énergie Atomique et aux Énergies Alternatives (CEA)], hereinafter referred to individually as a "Participant" and collectively as the "Participants";

RECOGNIZING their existing cooperation activities, among others under the Agreement between the Department of Energy's National Nuclear Security Administration of the United States of America and the Commissariat A L'Énergie Atomique Et Aux Énergies Alternatives in Computer Sciences of March 13, 2002;

NOTING that these activities between the DOE and the CEA have already allowed very successful cooperation and a convergence of views on the evolution of the domain;

NOTING that France and the United States of America have recently committed ambitious national programs in view of developing the exa-scale technologies, which will enable major advances for simulation in many areas and will have an increasingly important economic impact in the future;

NOTING that a high level and balanced partnership between France and the United States of America in the area of supercomputing science and technology is therefore not only of interest from the standpoint of science, but is also of strong strategic interest, in view of ensuring technological independence and competitiveness for both countries;

DESIRING to leverage the expertise of each Participant for the benefit of both Participants; and

DESIRING to strengthen their bond through greater cooperation;

State their intention as follows:

**Section 1: Planned Areas of Cooperation**

The Participants recognize the importance of, and intend to further strengthen, their cooperation in the following areas related to the development of Artificial Intelligence and Big Data. This cooperation could include, but is not limited to:

1. Artificial Intelligence and Big Data: Sharing of information on software and hardware technologies related to AI and Big data, benchmarking different approaches and testing next generation ideas;
2. Cognitive Computing: Strengthening the Franco-American cooperation to face rapid evolution of related domain like the convergence of Artificial Intelligence, Big Data and High Performance Computing infrastructures to explore a next generation of predictive simulation tools and technologies;
3. Beyond Moore's Law: Sharing our efforts to develop post-exascale technologies and new modes of computing including neuromorphic and quantum computing.

The Participants intend to develop an implementing document that will establish an Executive Committee comprised of representatives of each Participant, in order to further coordinate the planning, management, and implementation in the potential areas of cooperation identified in this Statement.

## **Section 2: General Considerations**

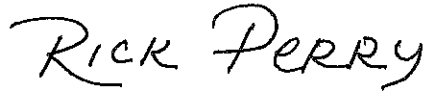
1. This Statement is effective upon the date it is signed by the last of the Participants. A participant who desires to discontinue the statement should endeavor to provide written notice to the other Participant ninety (90) days in advance of the date of the discontinuation.
2. This Statement may be modified at any time upon mutual written consent of the Participants.
3. The conduct of cooperative activities under this Statement is subject to the availability of appropriate funds, technical resources, and personnel.
4. Each Participant is responsible for its costs of participating in the cooperative activities under this Statement, unless specified otherwise in writing by the Participants.
5. This Statement does not create any legally binding rights or obligations between the Participants.

Signed in duplicate.

**FOR THE DEPARTMENT OF ENERGY OF THE UNITED STATES OF AMERICA:**

Name: Rick Perry

Title: Secretary of Energy

A handwritten signature in black ink that reads "Rick Perry" in a cursive, slightly stylized font.

Date: 24 April 18

Place: Washington, DC, USA

**FOR THE COMMISSARIAT À L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES:**

Name: François Jacq

Title: General Administrator (Administrateur général)

A handwritten signature in black ink that reads "François Jacq" in a cursive, slightly stylized font.

Date: 23 avril 2018

Place: Saclay, France