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**<https://www.frogans.org/en/main.html>**



# FROGANS TECHNOLOGY

**Chinese Academy of Sciences  
Computer Network Information Center**

## Frogans as a new medium on the Internet

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# Frogans as a new medium on the Internet

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## At a glance

- A new open standard on the Internet developed by the OP3FT
- A new medium for publishing creative content on the Internet
- A new end-to-end security model for online publishing
- OP3FT 中国 : building an Internet standard in China
- Current objectives

## A new open standard on the Internet developed by the OP3FT

- The OP3FT is a standards developing organization (SDO), founded in France in 2012, with a team of 30 people.
- The purpose of the OP3FT is to hold, promote, protect and ensure the progress of Frogans technology, in the form of an **open standard** for the Internet, **available to all, free of charge**.
- At the OP3FT, we believe that netizens should not be dominated by the technology they use and should have **full control over aspects of the technology** that can directly impact their lives.
- For netizens, Frogans is a new medium for accessing content and using services in a **simpler and more secure way**.

# Frogans as a new medium on the Internet

## A new open standard on the Internet developed by the OP3FT

- The OP3FT has partnered with **organizations around the world** in order to ensure the **stability** and **long-term existence** of the Frogans layer:
  - **ICANN** (Internet Corporation for Assigned Names and Numbers) through the delegation of the **.frogans TLD** whose purpose is to ensure the security, stability and reliability of the Frogans layer for the benefit of all Internet users
  - **Afilias** (Irish major gTLD registry) which is the **back-end registry** for the .frogans TLD
  - **ADNDRC** (Beijing, Hong Kong, Seoul, and Kuala Lumpur) and **FORUM** (United States) which provide **dispute resolution** for Frogans addresses under the **UDRP-F**

# Frogans as a new medium on the Internet

## A new medium for publishing creative content on the Internet

- From a technical standpoint, the **Frogans technology** introduces:
  - a new type of online content, called **Frogans sites**
  - new software to navigate Frogans sites, called **Frogans Player**
  - new Internet identifiers for Frogans sites, called **Frogans addresses**
- The Frogans technology implements a new **generic software layer** on the Internet alongside other existing software layers such as E-mail (1972) or the Web (1989).

# Frogans as a new medium on the Internet

## A new medium for publishing creative content on the Internet





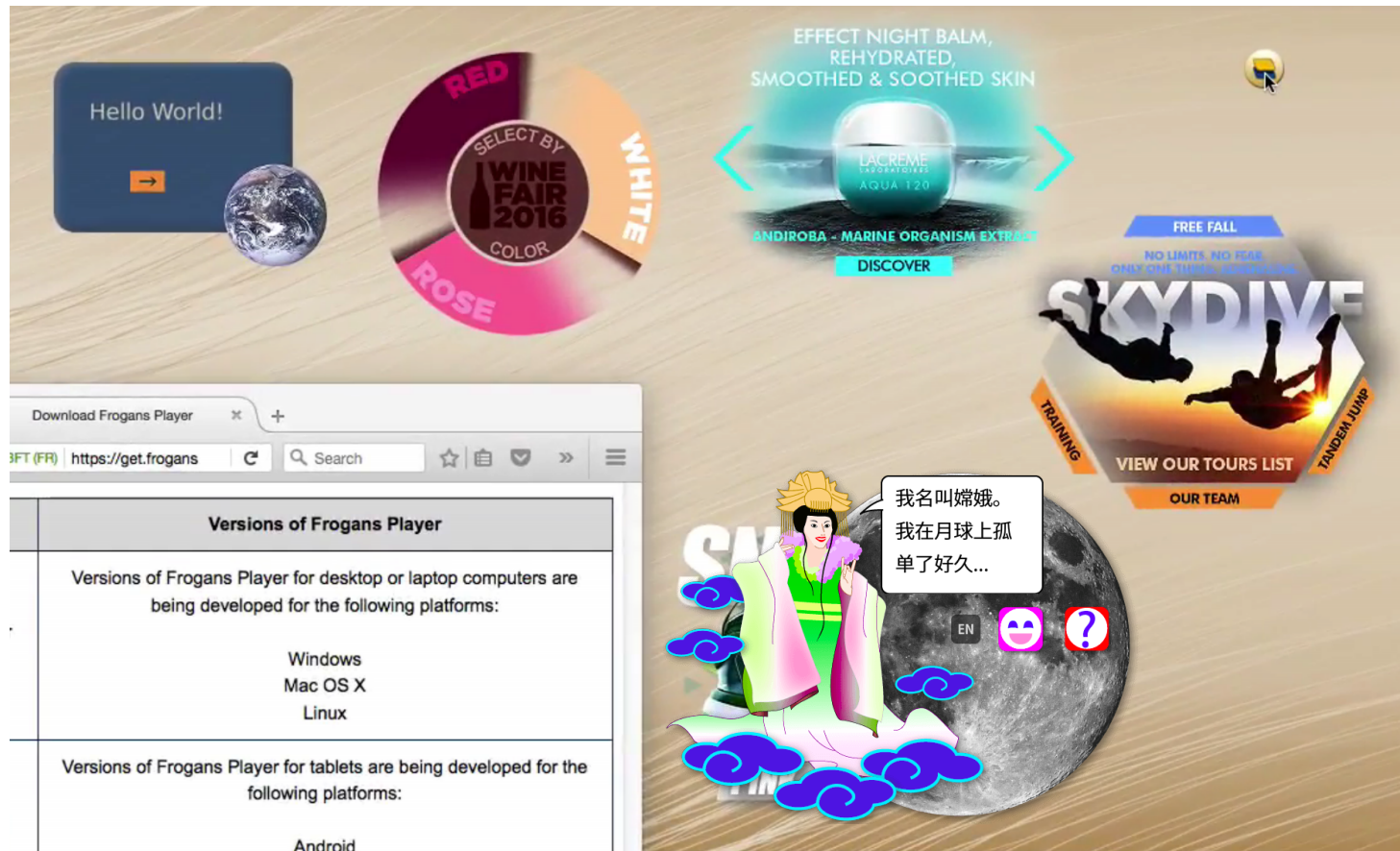
## A new medium for publishing creative content on the Internet

For **netizens**, Frogans :

- is **invisible**: no tech is apparent, content floats on the screen
- is **universal**: no fragmentation, identical appearance on all devices, loads quickly over any network
- is **safe**: no need to take care of complicated security matters, there is a new end-to-end security model (from network protocols to file formats)
- **protects privacy**: no cookies, no information leaked behind the user's back, end users are in control of their personal data

# Frogans as a new medium on the Internet

## A new medium for publishing creative content on the Internet



## A new end-to-end security model for online publishing

Key technical properties of the model:

- The identifiers of Frogans sites, called Frogans addresses, are secure by design.
- Connections to Frogans site servers are operated in a purely deterministic manner.
- The nature of the files conveying the content of Frogans sites is innocuous.
- Protective measures are applied systematically when treating files received from Frogans site servers.
- The software used to navigate Frogans sites is protected against malware

## OP3FT 中国 : building an Internet standard in China

- The OP3FT is **switching to the spread** of Frogans.
- The OP3FT must ensure that the promotion and future development of the Frogans technology **meet the needs** of Internet users in all countries.
- In some countries, the OP3FT plans to open **local branches**.
- The OP3FT came to the conclusion that China was a country in which a local branch was required to fulfill its mission.
- OP3FT 中国 is the **first local branch** to be opened by the OP3FT.

# Frogans as a new medium on the Internet

## OP3FT 中国 : building an Internet standard in China

- OP3FT 中国 will participate in the **development** and **promotion** of the Frogans technology.
- This mission will be carried out by a **local team** in Beijing.
- The team will:
  - do research and development
  - write technical specifications
  - produce source code
  - carry out tests
  - write documentation
  - write policies and contracts
  - etc.



## Current objectives

- Complete the creation process of OP3FT 中国 .
- Prepare Frogans technology working groups that will be managed by OP3FT 中国 . These working groups will be open to participants of the Chinese technical community.
- Draw up projects for students in Chinese universities based on the Frogans technology.

## References

- The OP3FT's Web site:  
<https://www.op3ft.org/>
- The Web site presenting OP3FT 中国 :  
<https://china.op3ft.org/>
- The official Web site of the Frogans technology:  
<https://www.frogans.org/>
- Frogans Slide Description Language (FSDL) 3.0 resources:  
<https://www.frogans.org/en/resources/fsdl/access.html>