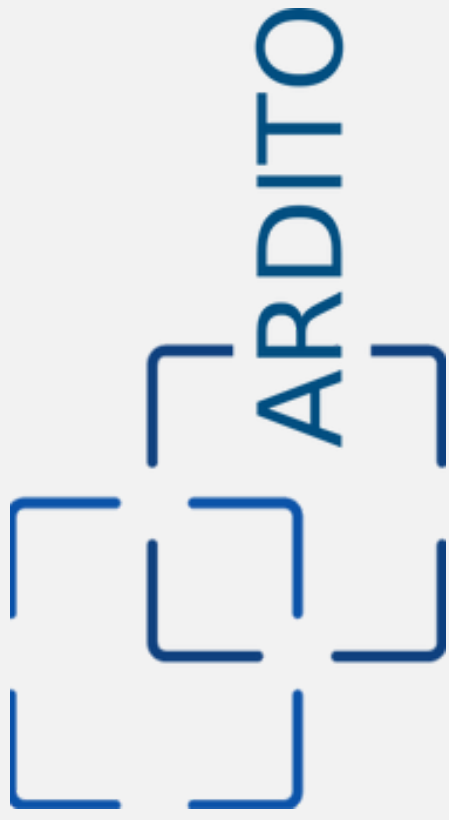




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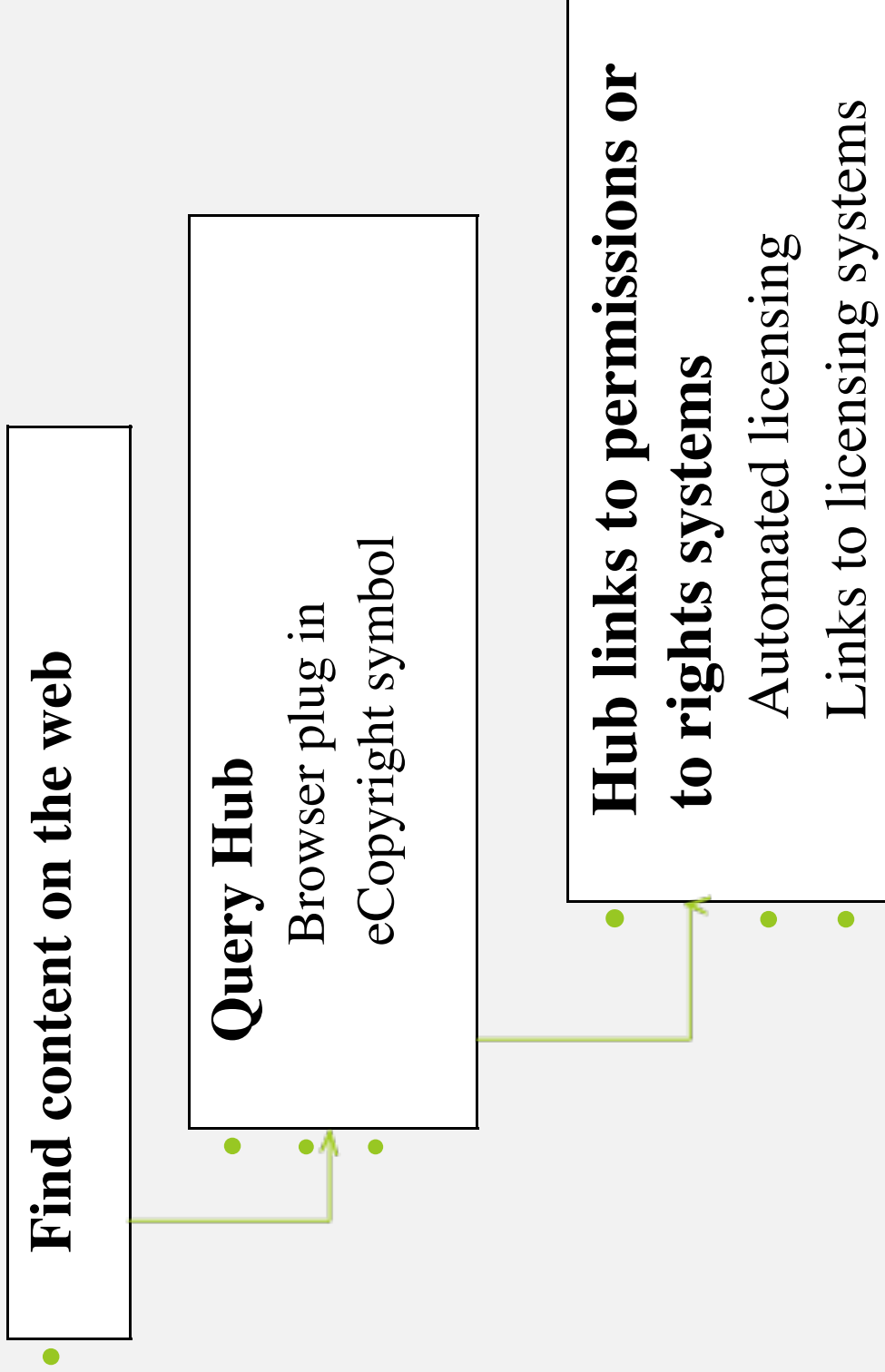
*Improving Internet access to rights
information for creative content*



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 731760

What does the Hub do?

Connects content to permissions



How does the Hub work?

- **RESOLVES ALL IDENTIFIERS**

**Standard identifiers: EIDR,
ISBN, DOI**

Internal identifiers

**Watermarks and
Fingerprints**

- **HOLDS LICENCE OFFERS**

- In standard format
- ODRL

Why ARDITO?

- When content appears on other sites
- It loses information about itself (meta-data)
- If the machine can't recognise it, then neither can the Hub
- ARDITO uses clever technology to identify content
- And then connect it up to permissions information

Example

- www.ronburtonphotographer.com

LIFE BEHIND THE LENS

Celebrating the career of photojournalist Ron Burton

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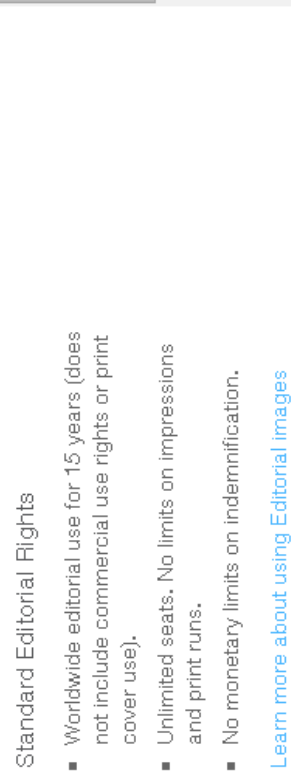
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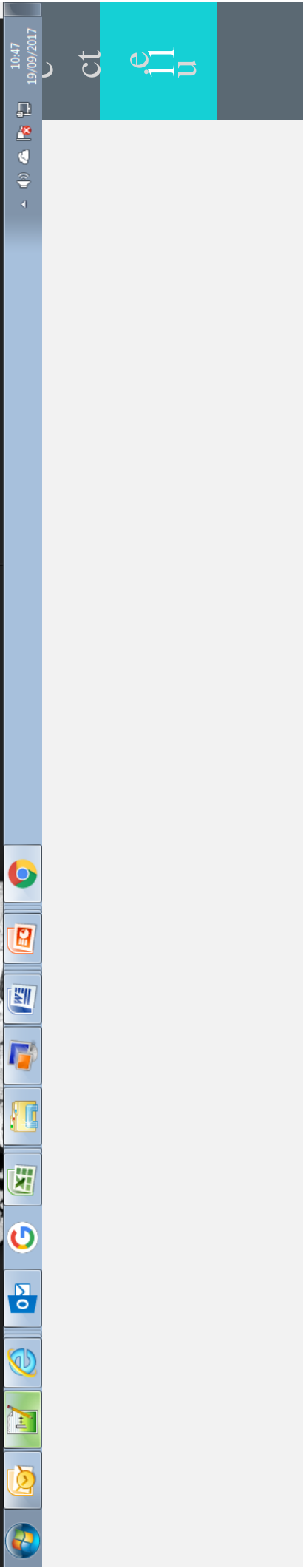
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ADD TO BASKET



Copyright Hub and ARDITO

- ARDITO brings together the Hub connectivity with technology that lets machines recognise content
- Then we can find permission for content even when it has no accompanying meta-data
- Watermarking, Fingerprinting, DOI
- These means of identification are critical to a digital single market
 - If you can identify something then you can find out about it (in this case you can find permissions)

[Science](#)

Blood test for PTSD on horizon as scientists find genetic changes in traumatised soldiers

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Around one in three people who suffer a highly traumatic event will go on to develop PTSD

By Sarah Knapton, SCIENCE EDITOR

4 SEPTEMBER 2017 • 12:01AM

Post traumatic stress disorder could soon be diagnosed with simple blood test after scientists found crucial genetic changes in soldiers suffering from trauma after serving in Afghanistan.

PTSD is an anxiety disorder caused by stressful or frightening events which can cause flashbacks, nightmares, depression, sleep problems and guilt.

Until now it could only be diagnosed through self-reported symptoms,

The Daily Telegraph

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Unlike DNA which provides the genetic code for functions in the body, microRNA regulates how active those genes are.



RNA circulates in the bloodstream and could be picked up through a test. CREDIT: PABLO PAUL / ALAMY STOCK PHOTO

When they looked at eight Afghanistan veterans who had suffered trauma and developed PTSD they found differences in 40 microRNA molecules compared to soldiers who had not fought.

Servicemen who suffered trauma but did not develop PTSD only had differences in 27 molecules. Crucially miRNA can circulate throughout the human body and can be detected in the blood, so a blood test could pick up the abnormalities.

"Most of our stressful experiences don't leave a long-lasting psychological scar," said lead author Dr Laurence de Nijs, of Maastricht University, The Netherlands.

"However, for some people who experience chronic severe stress or really terrible traumatic events, the stress does not go away. They are stuck with it and the body's stress response is stuck in 'on' mode. This can lead to the development of mental illness such as PTSD.

"These preliminary results of our pilot study suggest that miRNAs might indeed be candidates as predictive blood markers to distinguish between persons at high and low risk of developing PTSD."



MORE STORIES

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