

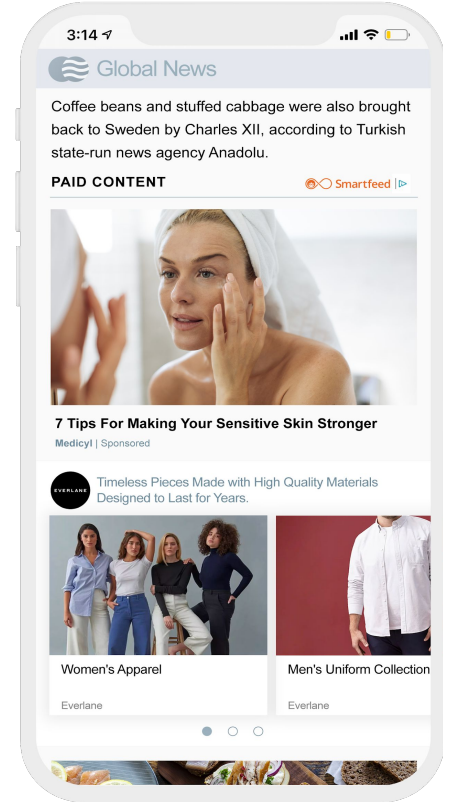
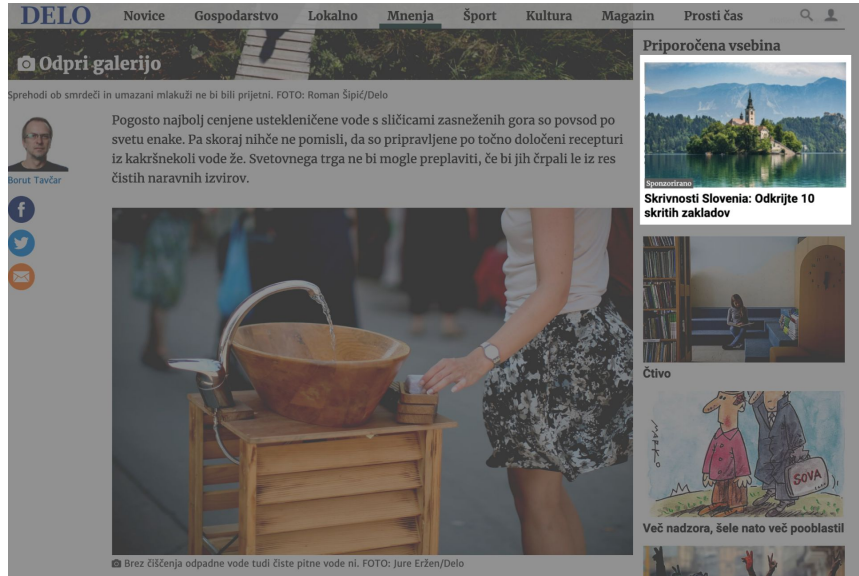
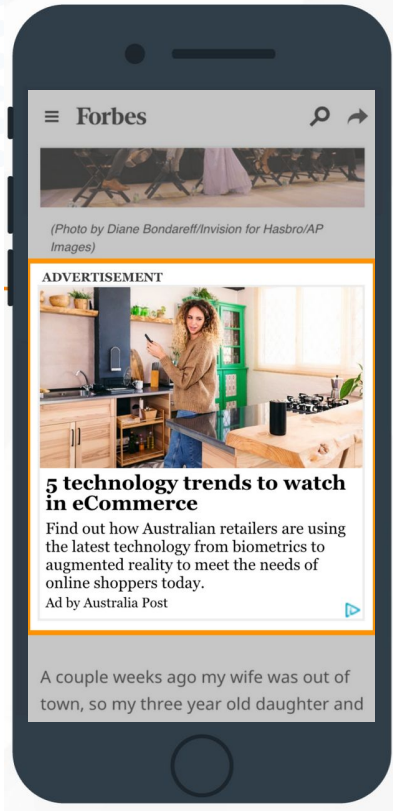


Artificially Intelligent Online Advertising

Davorin Kopic

Head of Data Science





WHAT IS ZEMANTA?

Zemanta is a **Demand Side Platform** (DSP) that allows you to manage all your media buying from one dashboard. It is connected to more than 40 networks and enables **programmatic** access to each of them through one interface.



Brands and Agencies

Of all shapes and sizes.



Nestlé



vodafone



VISA[®]

Supply at scale.

Access to some of the most premium websites and news feeds **in the world.**

CNN

theguardian

msn

BBC

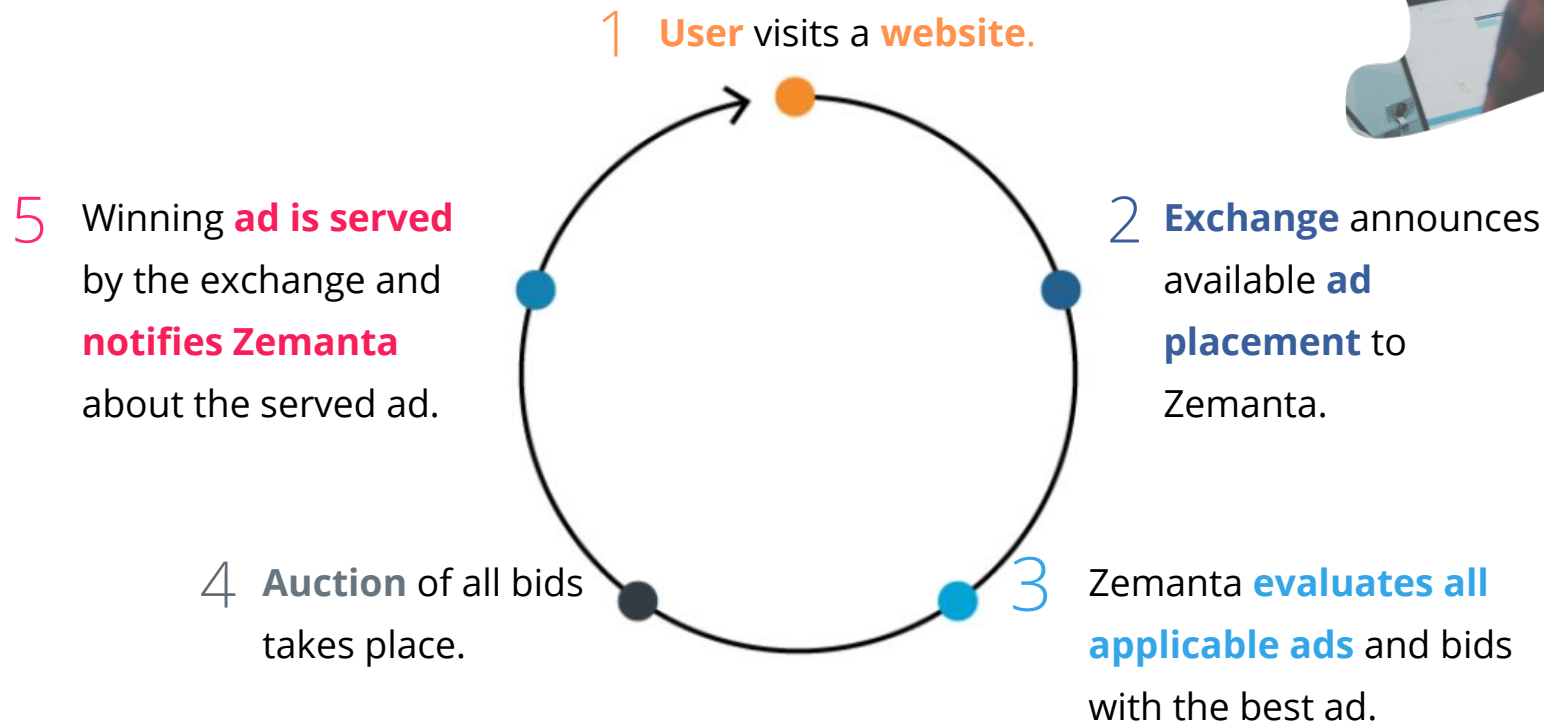
DELO

DNEVNIK

VEČER

24^{COM}
UR

What is Real Time Bidding?



Bidding at scale

Bidding on advertising space is at the **core of our product**

It is fueled by our **Machine Learning** algorithms

~800.000 bid requests - **per second**

100ms **response time** - including network latency

7 data centers around the globe

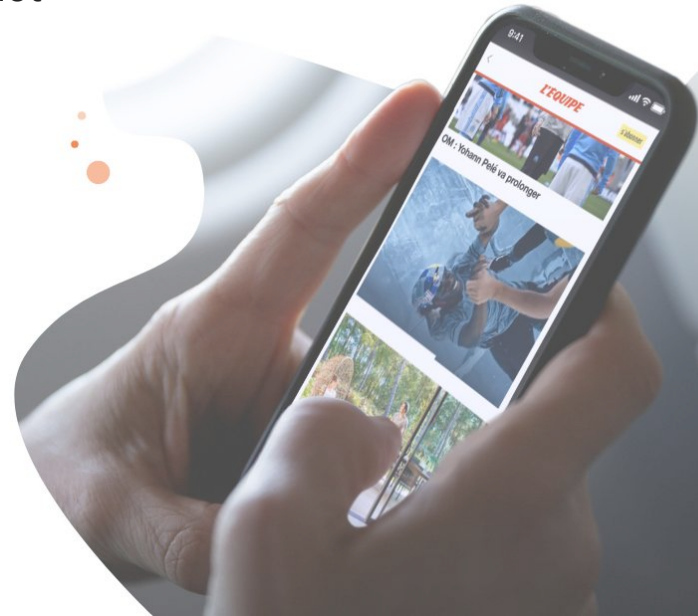
100+ TB of **data** generated per day - compressed

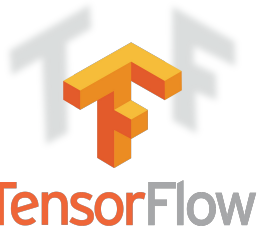
Where does Machine Learning/AI come into play?

Machine Learning is **embedded into everything** we do.

Use cases include:

- Autonomous advertising campaign optimization - Autopilot
 - Intelligent budget distribution
 - Optimal pricing
- Bidding on advertising space in real-time
- Fraudulent and non-human traffic detection
 - Analysing patterns in our network

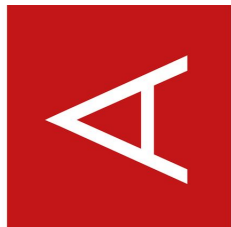




VOWPAL WABBIT



Amazon S3



AEROSPIKE



Google Cloud Platform



Google BigQuery

Zemanta™
an Outbrain Company