

Ideas for genomics project: sharing genome information

[SafeGenome\GenomeBroker].

In a series of posts tagged with [ideas-for-genomics-project](http://scalaakka.blogspot.com/search/label/ideas-for-genomics-project) [http://scalaakka.blogspot.com/search/label/ideas-for-genomics-project] I am describing ideas for business that can be build in area of genomics. If you like those ideas and you would like to join as an investor, co-founder or consultant please contact me at LinkedIn [https://pl.linkedin.com/pub/artur-stanek/a5/643/691] or just drop me an email, stanek.artur@gmail.com [mailto:stanek.artur@gmail.com] .

You may be also interested to check previous post "Signing and identifying genome" [http://scalaakka.blogspot.com/2015/10/idea-1-for-genomics-project-signing-and.html] , next post "Anonymise me behind my genome" [http://scalaakka.blogspot.com/2015/11/ideas-for-genomics-project-genome.html] " or the bigger picture [http://scalaakka.blogspot.com/2015/10/ideas-for-genomics-project-diagram-of.html] .

Idea "GenomeBroker" is about sharing genome file with outside world.

Genome file associated with the system, probably [signed](http://scalaakka.blogspot.com/2015/10/idea-1-for-genomics-project-signing-and.html) [http://scalaakka.blogspot.com/2015/10/idea-1-for-genomics-project-signing-and.html] and/or [reduced](http://scalaakka.blogspot.com/2015/10/idea-2-for-genomics-project-allow.html) [http://scalaakka.blogspot.com/2015/10/idea-2-for-genomics-project-allow.html] , can be later shared with outside world and that is a responsibility of this module.

Provided functionalities:

- simply, downloading file to a local hard drive,
- generating a link to a file
 - with many constraints like:
 - expiration time or usage time window,
 - downloading location limitation (for example: file can be marked as be allowed for download only in European Union),
 - access to a file can require to provide user name and password,
 - link can be configured to be valid for x times (for example: just one time use),
 - with backtracking:
 - who, from which IP, when downloaded a file,
 - link can be disabled at any time by the owner.

For files marked that they should never leak outside of [GenomeBank](http://scalaakka.blogspot.com/2015/11/ideas-for-GenomeBank) [http://scalaakka.blogspot.com/2015/11/ideas-for-GenomeBank]

[genomics-project-store-and.html\]](#) the ability to process them will be made with a help of [GenomeComputation](#) [\[http://scalaakka.blogspot.com/2015/11/idea-4-for-genomics-project-overcome.html\]](http://scalaakka.blogspot.com/2015/11/idea-4-for-genomics-project-overcome.html) .

Posted 4th November 2015 by [Artur Stanek \(kermidas\)](#)

Labels: [bioinformatics](#), [GenomeBroker](#), [genomics](#), [ideas-for-genomics-project](#), [non web find](#), [SafeGenome](#)



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