



# smashHIT & Data Consent

with **ATB's** Ana Correia



Speaker:



**Ana Correia**

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Runtime:

**11:36**





**smashHIT** | 00:00

Hi and welcome to the very first smashHit podcast. The aim of the smashHit podcast is to disseminate information and understanding about the smashHit project and its objectives. The smashHit project aims to overcome obstacles in the rapidly growing Data economy - which is characterised by all sorts of various diverse technical designs and proprietary implementations. In this episode, I got to speak with Ana Correia, from ATB - all about consent, now ATB, or the Institut Fur Angewandte Systemtechnik Bremen GmbH or the Institute for Applied Systems Technology Bremen in Germany, is a nonprofit organisation founded in 1991, by the state of Bremen, Bremen University and a group of industrial companies: Daimler AG, ATLAS ELEKTRONIK GmbH, BLG AG, OAS AG and OHB System AG. ATB has a research team of roughly 20 full time researchers supported by about 10 researchers working on a part basis. The main strategic business areas of ATB, are system analysis and design, knowledge management, and software systems technology. ATB's main role is to be the coordinator of the smashHit project, leading the consortium in administrative and financial issues. It also leads to tasks for smashHit concept development, specification and development of a context sensitive solution, as well as the smashHit methodology. Ana's role is to support the coordinator Christian Wolff - on the coordination and more importantly is leading the development tasks on the technical side. The smashHit project contributes to the Data economy by creating new and better services by using the Data from the connected car and smart cities environment. The aim is to assure a trusted and secure sharing of Data streams in both personal and industrial platforms which are needed to build sectorial and cross sectorial services so that the consumer can consent and create fair rules to Data exchange. These Data streams offer new opportunities to build innovative services - but their combination with other personal industrial Data is subject to complex ownership and consent aspects. As the Data streaming from these products belong to persons or organisations who are the owners or users of these products. The project will strongly use the relation to the Big Data Value Association. <https://www.bdva.eu/>



**Ana Correia** | 02:19

Hi, I'm Ana Correia. I work in ATB in Bremen. ATB is the coordinator of the smashHit project. And besides having the main role as coordinator of the project, which I'm supporting, my colleague, Christian Wolff is the actual coordinator. We are also leading tasks of specification and development of a context sensitive solution and





## Ana Correia

the methodology and we have a strong role in the concept development and I'll be leading the development team within ATB for these technical tasks

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## smashHIT | 02:56

What's ATB's role in the smashHit project Ana?

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## Ana Correia | 03:00

So as a coordinator of the project, we will be leading financially and in terms of management to get all the partners in a good place in the three years that the project lasts, and we have a strong role in the concept development. So in this first part of the project, we have to get all the bits and pieces that we have thought of on proposal time, get them all together and how to achieve the goals of the project.

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## smashHIT | 03:30

Can you tell me a bit about the context of the smashHit project and how it came about how it came around Ana? So ATB and some of the other smashHit partners we had already, since some years worked in projects in the field of Data marketplaces where we have seen that there's a very fragmented Data sharing landscape. So we have several marketplaces, many different Data sources from - we have worked in these other projects with vehicles, smart buildings, smart infrastructure. But this applies to any product that we have now in the market with sensors and putting out Data. And this is - we've seen that this has a huge potential for use of this Data for the most various applications but the access to this Data is still being managed with scattered systems. So we have different Data sharing platforms, we don't have clear agreements or consents or contracts being done with this Data.

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**Ana Correia** | 04:29

So this, on the one side, is not transparent for Data owners. So for instance, the vehicle owners, and because there's no transparency in the contract and certification process of providing their Data, and we have to win their trust to give the Data for Data consumers to use this Data on the most various applications. And on the other side, also the OEM of the devices. So whoever is manufacturing these devices, they want to make sure that their Data is not being misused. And so what we've seen in the past few years in these other projects is that companies like for instance, Volkswagen, they have some problem in providing or facilitating the access to the Data for their vehicles to external partners for them to make applications up to now, it's only Volkswagen doing services for themselves. They don't have the trust to facilitate this consent from Data owner, which is the vehicle owner up to service providers for them to get this Data. So there's a lot of holes that we want to cover.

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**smashHIT** | 05:40

I bet. There's a big issue around Data consent and its regulation. Can you tell me a little bit about that?

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**Ana Correia** | 05:47

Yeah. So this is one of the main smashHit topics, and that is we want to empower Data owners to exploit potentially their Data, and we'll do this by providing them with tools to regulate the consent that they have to give for Data consumers to use it. So no Data can come out of their devices without them giving consent for this. And after they have given consent to Company A, B, and C, I don't know, insurance or some weather app or any other application that wants to use this Data, they will lose sight of who uses their Data, what for and where. And so they might stop them from trusting their Data, too many more Data customers. Also consenting regulation is very important, like I've said, for the OEM companies. So providing the devices because that they need to trust that they are pushing their Data to this huge Data sharing economy and they want to know that the Data that they will give or facilitate in the end are of high quality and the Data integrity is maintained, and in the end, also

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## Ana Correia

the Data customer so, people using this Data to make their applications, they want to have a regulated system where they don't have much trouble in getting the Data, the consent from Data customers to give them today, so they want to have a trustful environment in the end.

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## smashHIT | 07:21

How is all this Data - the Data being used and then refined between the different stakeholders?

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## Ana Correia | 07:28

So the Data itself coming from devices in the part of consent and contract certification of the Data that we talked about, it's not going to be handled directly by smashHit. What is handled by smashHit is the metadata. So we want to know what it's about and we will have to handle also the use of personal Data so to identify and make the connection of this Data to the contract and consent given. For the part that I talked about ensuring Data integrity and high quality of Data then smashHit will have to handle directly Data and this is why investigating fingerprinting solutions in order to make sure that this Data from Data provider to Data customer is in one piece and not being misused.

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## smashHIT | 08:18

We had a previous discussion and we spoke about two use cases. Volkswagen and LexisNexis and the Helsinki and smart city open Data use cases. Can you tell the listeners a bit about those two different use cases? There's a smash that's involved in SmashHit project? So yeah, this two business cases are are two main drivers of the project. We will try to make a generic solution but these two business case will be the first ones. So providing the main requirements to get us to make a good solution. The first use case is on Data used for insurance purposes risk analysis. And it will be

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**smashHIT** | 07:21

getting Data streams from vehicles as well as from the insurance market and the partners are Volkswagen and LexisNexis. So of course Volkswagen for the vehicle Data provision, LexisNexis as a Data broker who works with many insurance companies and is of course interested in having this consent and certification and contract regulated. On use case two we have advanced smart city and cyber physical products Data integration and services. And we are combining the Helsinki traffic information with two Smart City data platforms, also working on on that area and vehicle Data. So the partners are Forum Virium, InfoTripla and Volkswagen. Forum Virium, is the Helsinki City innovation company and InfoTripla is an SME providing solutions for better mobility and Volkswagen also with connected vehicles Data and they want to have the regulation over the Data going from all the different stakeholders from ships coming to the city from the traffic from the vehicles, the users that want to go from A to B. So a lot of stakeholders involved and many problems having been solved with consent and how this is all regulated. So this is the reason why the project has come about?



**Ana Correia** | 10:36

Yes



**smashHIT** | 10:36

There's a talk of a Dispatcher also for harvesting all the Data.



**Ana Correia** | 10:40

So the Dispatcher will not harvest all the Data, they will - it's going to be the part that is going to regulate the contract and the consent. So it's handling the Data that we talked about. So the personal Data to make the identification of the users that are about in the system. And the Metadata that is being handled, but the Data itself will be stored in whatever marketplaces that are available. So we don't want to invent the





## Ana Correia

wheel again. There are enough marketplaces Data platforms and we want to get Data from all this and we just want to make a layer that will regulate the consent and contracts between all the stakeholders.

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## smashHIT | 11:25

Thanks for listening to the smashing podcast, for more information, you can check out the podcast or visit the website at [www.smashhit.eu](http://www.smashhit.eu)