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САЛОН ОБРАЗОВАНИЯ  
MOSCOW INTERNATIONAL  
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# Учащийся – исследователь больших данных

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ВДНХ, ПАВИЛЬОН 75

# Background of Scratch

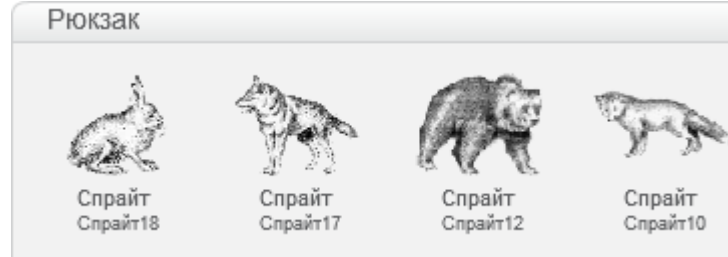
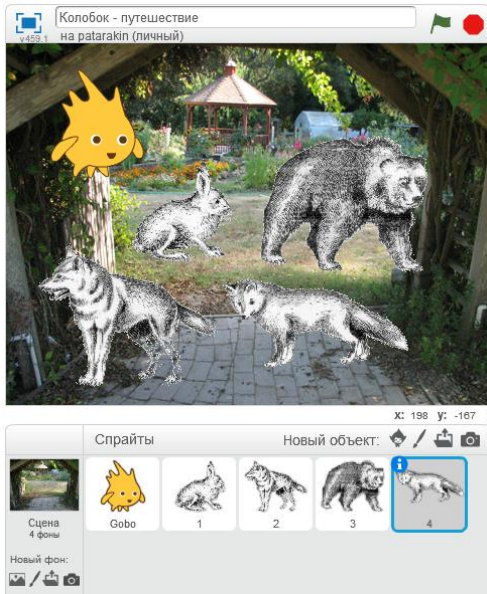
Constructionism shares constructivism's connotation of learning as 'building knowledge structures' irrespective of the circumstances of the learning. It then adds that this happens especially felicitously in a context **where the learner is consciously engaged in constructing a public entity**, whether it's a sandcastle or a theory of the universe... (Papert & Harel, 1991).

Adults want to make us all "computer-literate." Literacy means both reading and writing, but most books and courses about computers only tell you about writing programs. Worse, they only tell about commands and instructions and programming-language grammar rules. They hardly ever give examples. But real languages are more than words and grammar rules. There's also literature -- what people use the language for. **No one ever learns a language from being told its grammar rules. We always start with stories about things that interest us** (Minsky, 1984)

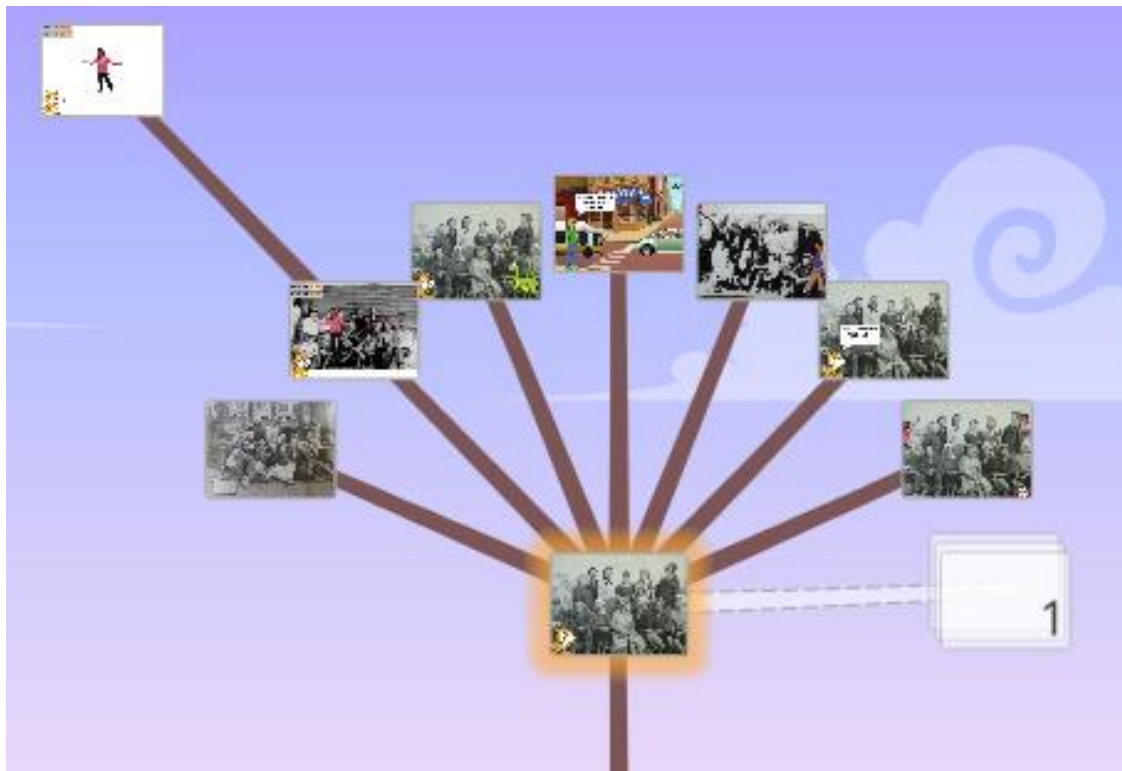
Deep experiences with deep ideas help grow deep people. And not just deep people, but **people who are less easily fooled** in a wide variety of areas. It's important that children are able to decide when they are going to allow foolery and to have the discernment to make these decisions wisely (Alan Kay, 2003).

# Вычислительное участие (Рюкзак)

Обучение происходит наиболее эффективно, если субъект образования вовлечен в создание продукта деятельности, который может обсуждаться, оцениваться и использоваться другими участниками для создания новых объектов.

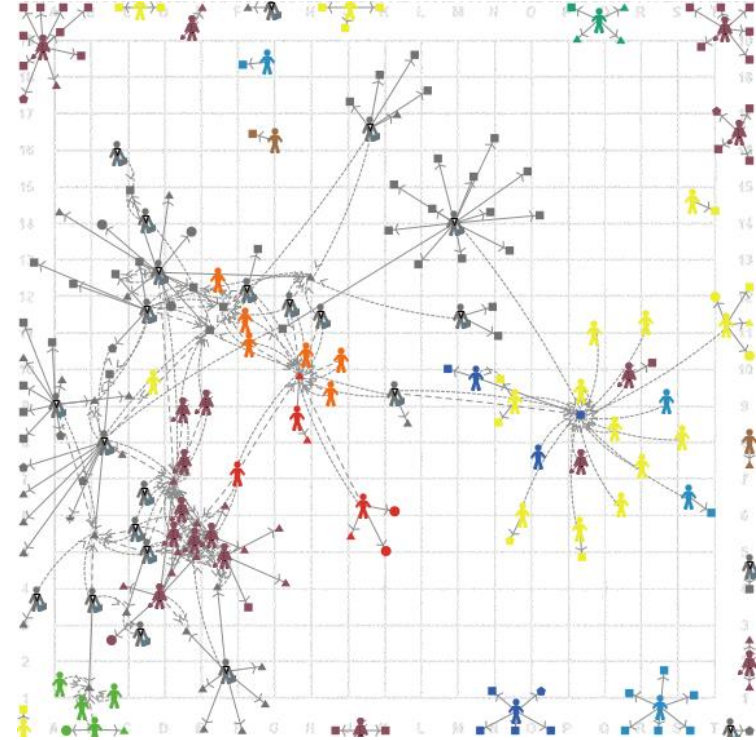
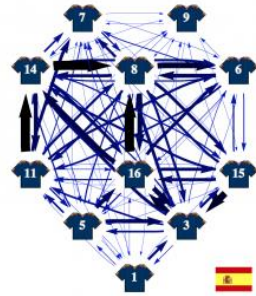
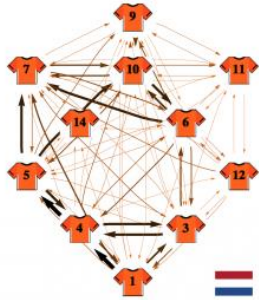


# Вычислительное участие (Ремикс)

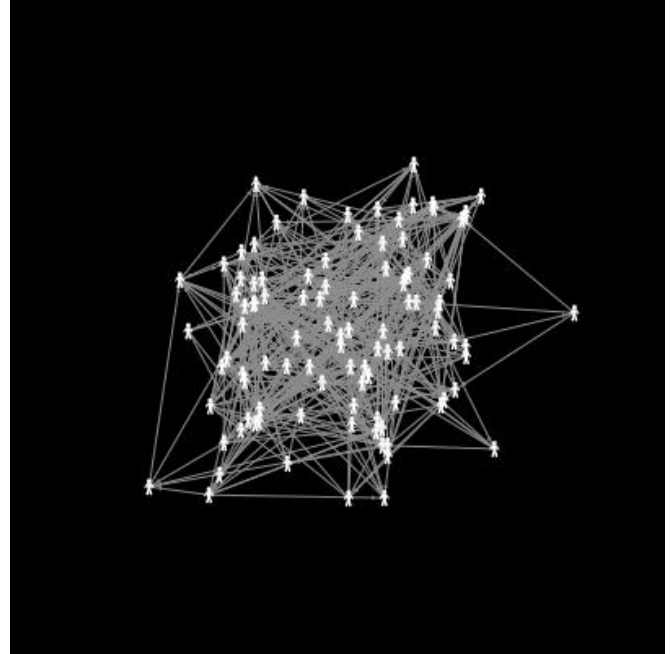
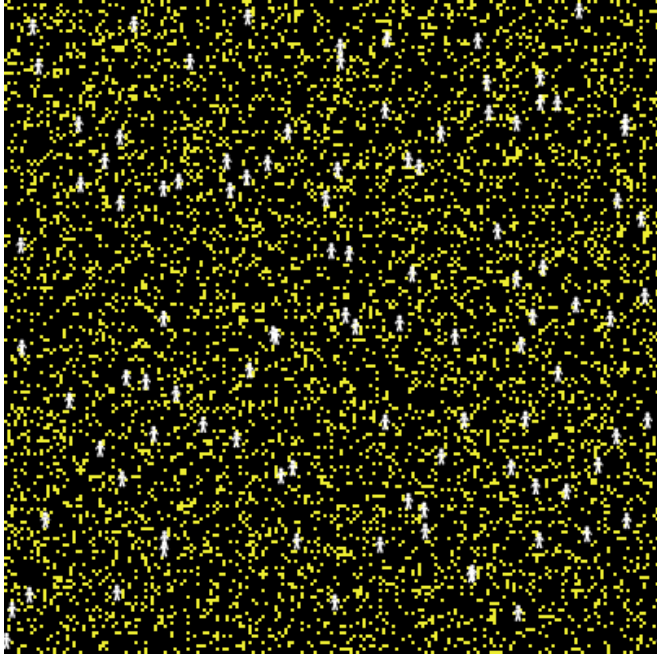


# Специалисты по системной динамике

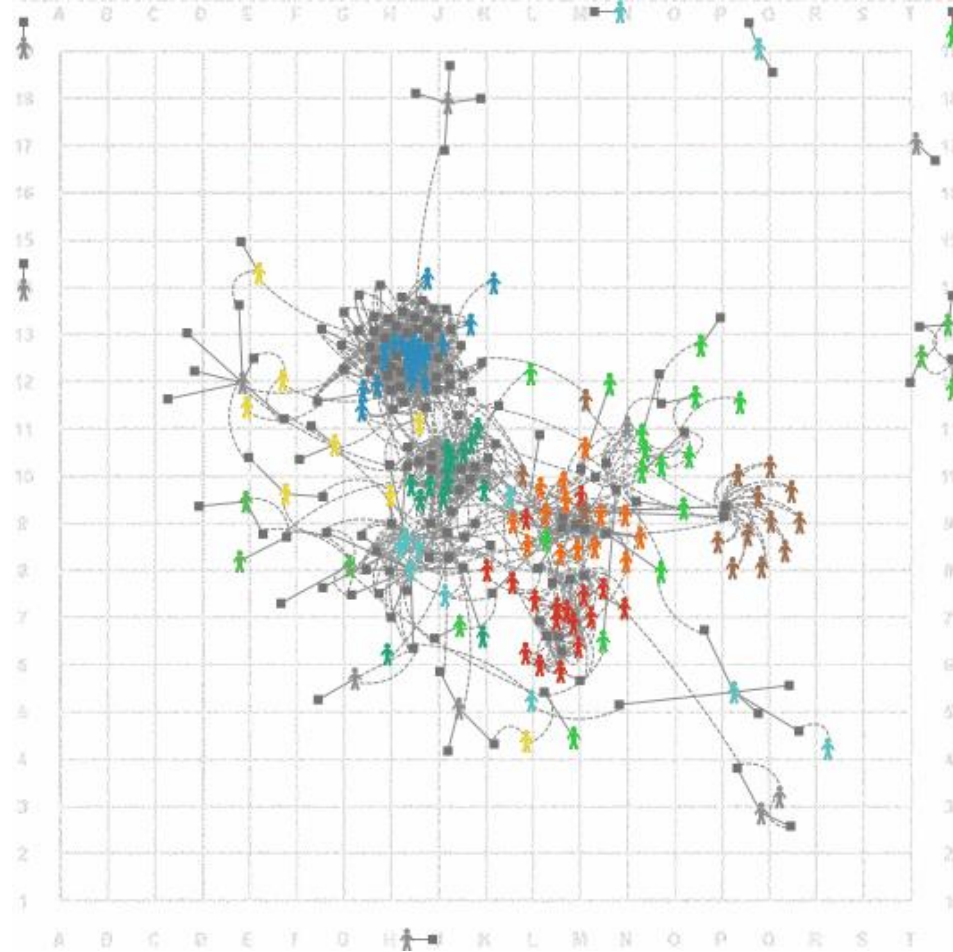
Netherlands vs. Spain



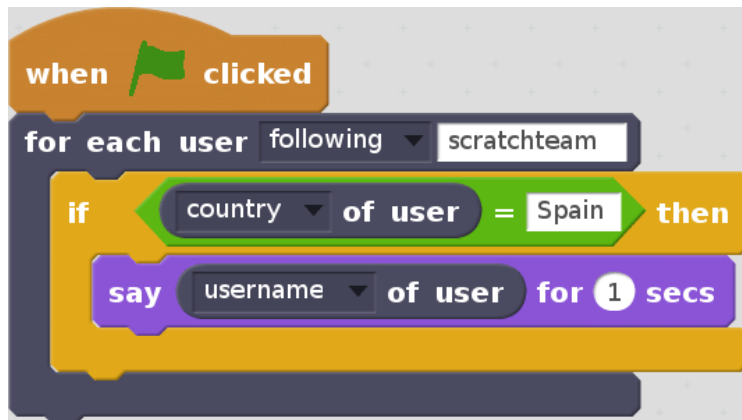
# Школьный журнал муравейника



# Карта взаимодействий

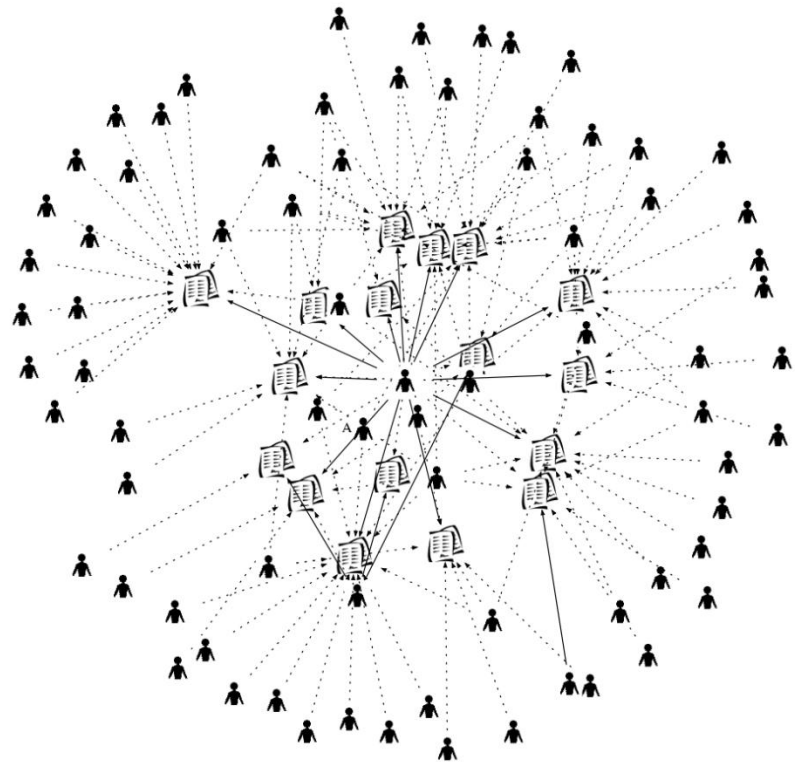


# Данные перестают быть чудом





# BigData становится практикой





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