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# GEA - a VR Game for Nutrition Education for Children with Neurodevelopmental Disorders

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## Abstract

This document describes the design of GEA, a web application for children with NeuroDevelopmental Disorder that has been developed in cooperation with a team of therapists and children themselves. GEA wants to achieve the objective of teaching the nutrition education through a virtual reality game focused on food pyramid, healthy food and good alimentation avoiding waste of real food. It is developed taking in mind the real laboratory that children do in the specialized center so we reproduce a smart and comfortable space in which they can play the three different games proposed to them. It is also possible to choose a level of difficulty to make a personalization based on child capacities. GEA has also a functionality that replicates the smartphone screen on a pc screen in such a way that the therapist can see what the child is doing so he can explain all the doubts or help if there are some difficulties.

## Author Keywords

Neurodevelopmental Disorders; children; virtual reality; learning; play; alimentation; autonomy; food pyramid.

## ACM Classification Keywords

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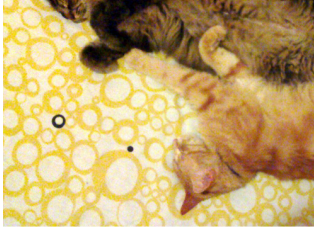
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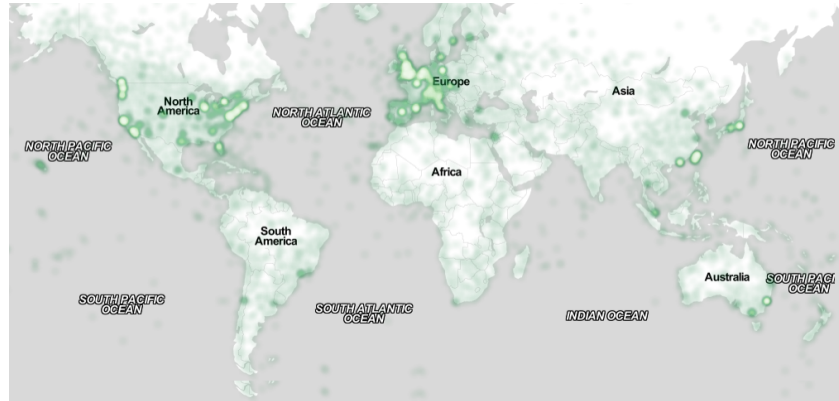
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Adult	22.0	Bogotá
Gene	22.0	Palo Alto
John	34.5	Minneapolis

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