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Simulation of inhabitants' opinions to Nuclear power plant

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This research focuses on the opposition movement to the nuclear power plant construction ground among the local resident, and considers the mechanism of social agreement formation by doing a case study and an agent simulation.

Regarding nuclear power generation, radioactivity occurs and much power generation is possible with little resource compared with other power generation methods. So nuclear power generation has the problem that much danger follows. The government advances nuclear power plant attraction positively by reasons of a shortage of a power supply in a city part, a shortage of resource, and curtailment of CO₂. And consent is obtained to local autonomy etc. by the government and an electric power company decides the construction. It is rare that the government reflects an opinion of the residents staying near the nuclear power plant construction area.

The local residents are opposed to them, and the opposition movement has broken out. Participating the opposition movements leads the local residents to resisting the organization like the base of their lives and can be called action which parts from the lives till then. But they still cause an opposition movement, and displays decision-makings of the opposite group.

People acquire those information and have their opinions by people's neighboring rumor, the neighboring mass media, etc.. If they do not have relationship, they do not get interested, and they are considered for not collecting information. So, at first, people who are between the

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promotion and the opposite exist mostly. It seems to be important how interest is given to an indifferent layer and sympathy is given in residents' opposition movement. If sympathy can be extended broadly, citizens' movement can achieve the purpose.

It is thought that the familiar contents in the same height of eyes as themselves call more sympathy rather than reciting the extreme argument. If the leader which leads the people appears out of the unconcern layer or the layer which can not say opinions, an inversion of power opposite to promotion may happen.