The Spatial Planning for the Establishment of Multifunctional Emergency Buildings and Regulated Agricultural Sector to Confront Disasters in Christchurch



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Mohamad Hafiz Al Faza

Geodesy and Geomatics Engineering Faculty of Earth Sciences and Technology Institut Teknologi Bandung Indonesia



FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

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Recovery

from disaster SPATIAL PLANNI MULTIFUNCTIONAL BUILDING AGRICULTURE OPTIMIZATION DISASTER R









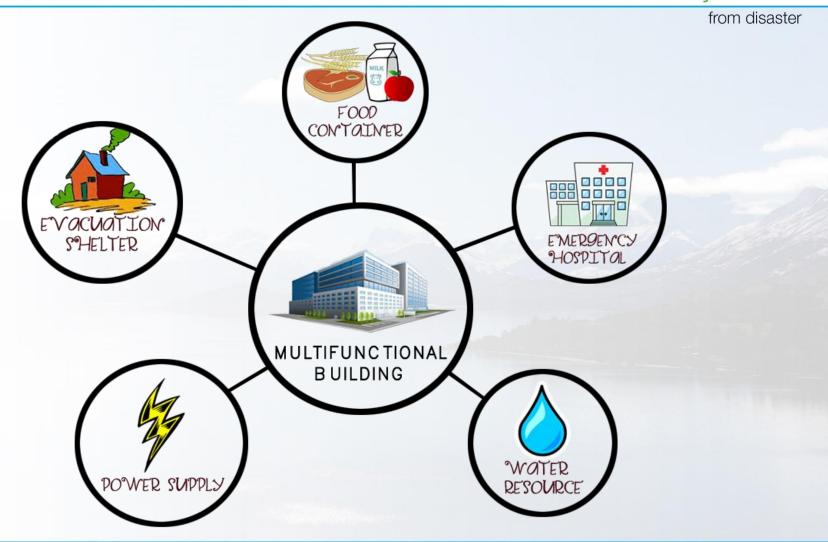






CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

















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from disaster

ADJUSTMENT
AGRICULTURAL
SECTOR
REGULATION

FARM FIELD

FACTORY

EMPLOYEE

DISTRIBUTOR

CONSUMER







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MULTIFUNCTIONAL BUILDING

Distance from CBD

MB to MB distance

Size and altitude of Area

Surrounding objects

Level of potential disaster risk

Clean water availability

Power source availibility

AGRICULTURAL SECTOR

Agricultural product

Agricultural factory

Soil and water

Energy

Employee

Climate and weather

Distribution route















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SPATIAL ANALYSIS OUTPUT

Effective and productive farm

Appropriate MB location

Appropriate distributor location

Efficient distribution route

Connection between MB and food supplier









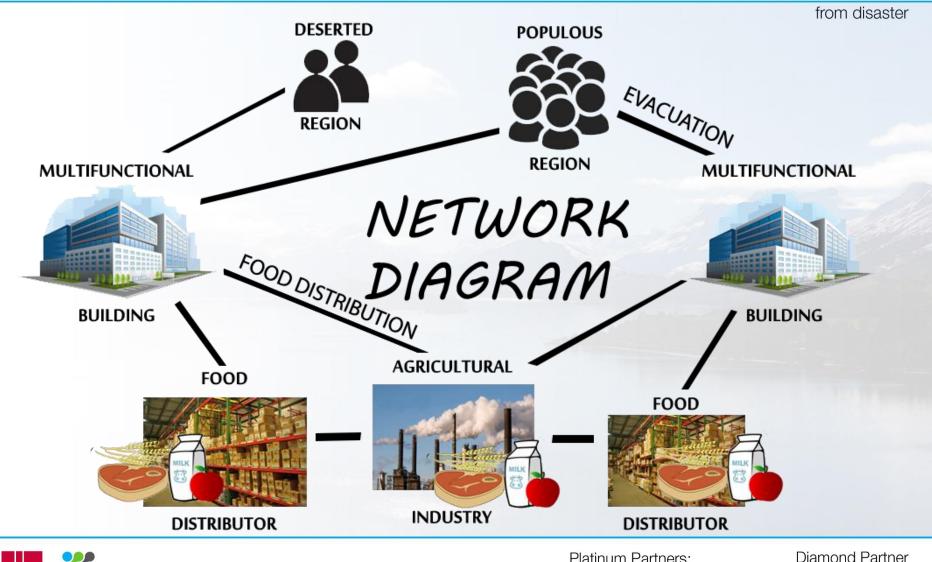






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Land Information



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Recovery

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WE CAN SAVE US...







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Recovery

from disaster

Thank You!











