UNESCO-IPRED International Memorial Symposium on "Protecting Lives from Earthquake and Tsunami Disasters" and the 5th session of IPRED in Tokyo, Japan, 26-29 June 2012

> 現地調査の遂行における問題 とSATREPSプロジェクトの進捗

PROBLEMS IN THE EXECUTION OF FIELD SURVEY AND ADVANCE ON SATREPS PROJECT

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災害の前(準備)

ペルーのチーム ☐ BUILDING GROUP

The Peruvian TEAM

· Dr. Carlos Zavala · Dr. Miguel Estrada

· Msc. Jenny Taira

· Eng. Luis Lavado

· Eng. Cesar Fajardo · BCE. Luis Moya

BCE, Lucio Estacio

· BCE. Jorge Morales 建築グループ のメンバー

· BCE, Erika Flores







災害の前(準備) BEFORE THE DISASTER

ペルーのチーム The Peruvian TEAM

☐ GEOTECHNICAL GROUP

土質グループ のメンバー

- · Dr. Zenon Aguilar · Msc. Fernando Lazares
- · Eng. David Luna
- · Eng. Luis Chang
- · Dr. Diana Calderon
- · Eng. Silvia Alarcon
- · Eng. Selene Quispe
- · Eng. Rocio Uriarte
- · Eng. Ramiro Piedra

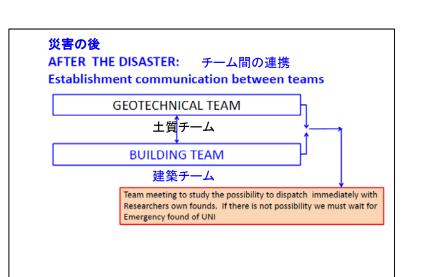
Advisor: Dr. Jorge Alva

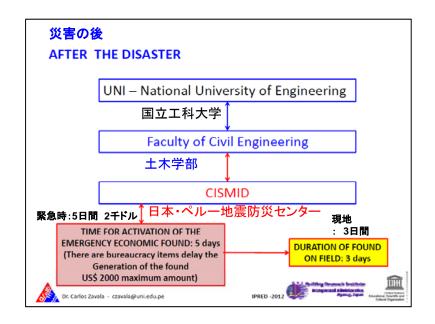






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緊急時の活動費用の問題点 PROBLEMS FOR THE GENERATION OF THE **EMERGENCY FOUND**

- ☐ Ministry of Economy had a protocol even in emergency cases
- ☐ Priorization of the found must be submitted
- ☐ Approval of the Priorization must be submitted for certification
- ☐ Certification of the found by Ministry of Economy will allow the use of the found
- ☐ After Certification is approve the found money will be allowable
- ☐ Found could not be more than US\$ 2000 from and are taken from CISMID founds
- ☐ Teams can survive only 2 days with this money.
 - -経済省は緊急時でも儀礼的だった
 - 優先順位が高いことを示さなければならない
- 一保証のために優先順位の承認を提出する必要がある
- 一経済省による費用の保証によって活動費用が使用できる
- -CISMIDの費用から使い、2千ドルを超えてはならない
- ーこの費用でチームは2日間しか現地にいられない



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国家防災システム

National System on Disaster Management - SINAGERD

Components of the disaster management	National and International Policies for the development	Process for the implementation of disaster management
Prospective Management	-Education -Health -Science & Technology -Planning for development -Citizens security -Environmental -Public investment -Control & monitoring	-Estimation of the risk
Corrective Management		-Prevention and reduction of the risk
Reactive Management		-Preparation Response and rehabilitation
		-Reconstruction

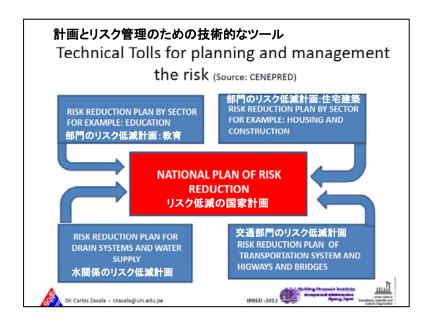
Source: CENEPRED

防災の要素 開発の国家・国際政策 防災の実施プロセス









防災の総合的なアプローチとは何か?

WHAT WOULD BE THE INTEGRATED APPROACH TO DISASTER MANAGEMENT?

- Integrated approach to disaster management should include the participation of the population, because if technical tools are development, people should know about the risk they are expose.
- ・総合的な防災には市民がリスクを知るよう、住民の参加が不可欠
- Risk Reduction plan should be developed for each governmental agency or ministry to produce a national plan. Disaster reduction plan of each sector with the knowledge of the population, will judge the authorities, and monitoring can be effective.
- 各政府機関が防災計画を作る。部門毎の計画は市民、専門家参画と監視が有効
- Sustainable Development demands the improve of the capacities of the authorities and also officers with power of decision
- 持続可能な開発には、決断の出来る機関と担当者の能力改善が必要





ペルーにおける(防災の)主な将来の課題 MAIN CHALLENGES FOR FUTURE IMPLEMENTATION OF MANAGEMENT AND CORRECTIVE IN PERU? (SOURCE: CENEPRE)

- Achieving a culture of disaster risk management in the population located in urban and rural areas nationwide.
- ・防災の文化を都市・地方を問わず構築する
- Articulate a consistent manner between the public and private institutions involved in the processes of prevention and relief, to ensure consensus and commitments necessary to enable the formulation, implementation, monitoring and evaluation of policies, plans, programs and investment projects.
- ・政策・投資の実施・評価のため官民で防災への合意形成に努める
- · Achieve a system of automated information about potential risks at local, regional and national levels, enabling the formulation of plans and investment projects reducing the vulnerability of the population and
- 市民や遺跡を守る計画や事業のためリスク情報システムを構築する
- Strengthen the SINAGERD integrally from a decentralized perspective to empower regional and local governments under the leadership CENEPRED
- ・国家防災システム(SINAGERD)を地方分権の視点で強化する





地震防災国際協力のため日本とUNESCOがすべきことは?

WHAT DO YOU SUGGEST JAPAN AND UNESCO TO DO FOR THE FURTHER INTERNATIONAL COOPERATION ON EARTHQUAKE DISASTER MANAGEMENT?





HISTORICAL BUILDINGS UNDER RISK - NON BUDGET TO KEEP OUR HERITAGE

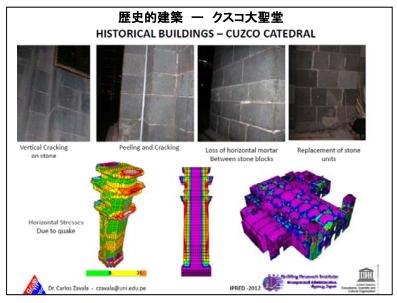


リスクにさらされている 歴史的建築 - その 遺産を守る予算がない

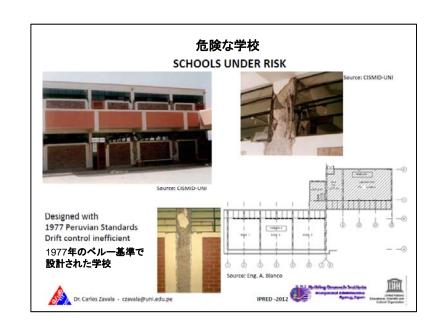


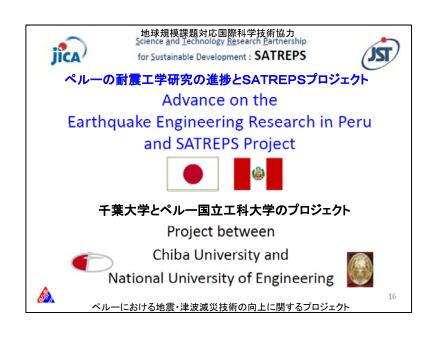


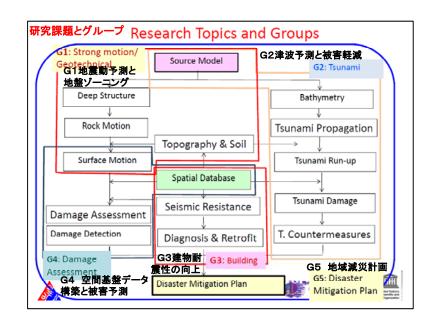




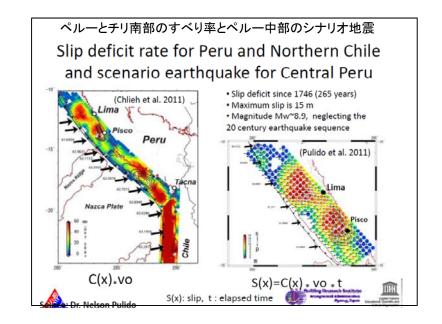




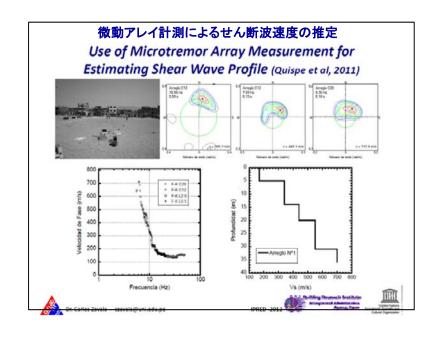








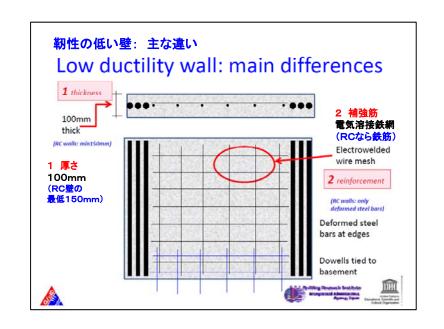




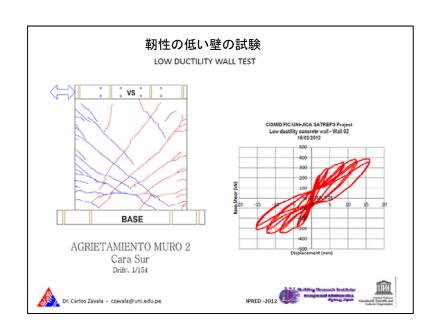


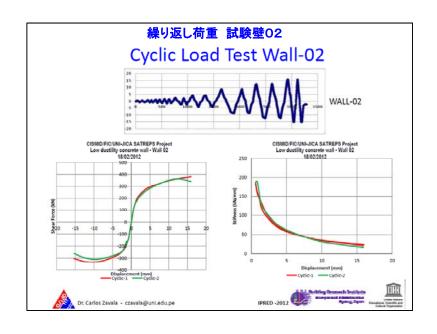






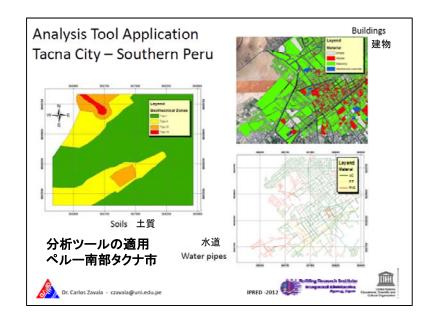


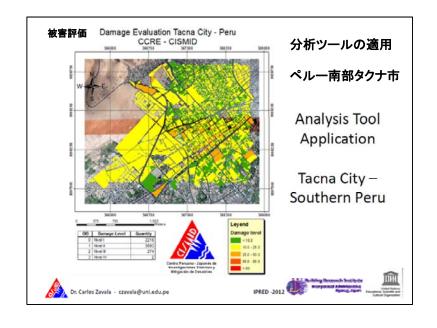












まとめ

CONCLUSIONS

- The introduction for the implementation of a Filed survey in Peru has been treated 現地調査実施
- Peruvian disaster management scope was presented. ペルーの防災計画の紹介
- Indiference of decision makers and authorithies is one of the main problems. Improval of the capacities of the authorithies is neded. 責任者の無関心が大問題

関係者の能力改善が必要



