

The challenge Why do emerging countries find it difficult to implement S+2 maluation, and middance based policy, making?			
llustrative exam	Vietnam	Germany	
NIS ¹⁾ develop- ment status	'Beginners' level: S+T strategies, structures and resources still in development	Fully developed NIS: Sophisticated S+T strategies and programs, efficient structures and strong acto	
S+T expenditure	Low total investment Mostly government funding	High total S+T investment Huge enterprise S+T investment	
Public S&T policies	Limited budget, first generation policies, programs and instruments; limited experience	High budget; sophisticated policies programs and instruments, long experience	
Program evalua- tion experience	First pilot evaluation experiences, but not yet an established standard S+T policy instrument	Evaluations are established standar in the management of major S+T programs	
Necessary evaluation prerequisites	 Still building the basics: Shortage of experts and institutions to carry out evaluations Program managers and researchers not used to cooperate Necessary data not available S+T policy makers have no experience how to use results Evaluation not yet a part of planning, designing and implementing S+T policies 	 Everything in place: Many suppliers of evaluation services, competing for projects Program managers and researche used to being evaluated Statistical, program and project data collected systematically S+T policy makers request evaluations Standard element of S+T policy making, programs, etc. 	

The challenge

Using rigorous evidence for well-informed decisions leads to better policy decisions & implementation

Why do we need Evidence Based S+T Policy Making?

- S+T policy makers face tough budget and policy choices that affect outcomes and impact of S&T & best use of scarce resources
- S+T Policy processes are complex; relations between inputs, policy measure and outcomes not linear
- Policy makers often only weakly informed about S&T status, performance, results due to information gaps, secrecy, lack of transparency, biased data or political expediency
- Policy decisions often driven by interests of influential stakeholders, personal opinions or political bargaining

What are the benefits of Evidence Based S+T Policy Making?

- ✓ Data from research provides objective, unbiased evidence
- S+T Policy Decisions based on facts instead of beliefs or arguments which are driven by political, institutional or personal interest
- ✓ Holistic decision making: Account for all relevant aspects

The challenge Research evaluation creates improved transparency this contributes to better decision making What can S+T evaluations deliver for S+T policy making? Policy/program/institutional assessment Systematically reviewing available evidence on appropriateness, effectiveness and efficiency > Implementation review Ensuring that programs are effectively delivered and are faithful to their intended design Outcome monitoring Measuring and reporting outcome data to determine whether interventions are achieving desired results Budget use Ensuring that available resources are used in the most efficient way to generate best value for the tax payer Policy design Provide inputs for formulation of next generation policies, pro-grams, etc.; recommend improvements of ongoing operations 3

The challenge

Copy & paste of evaluation and S+T policy making concepts from western countries does not work!

Typical shortcomings in countries in transition

- > No previous experience with research evaluation
- Data necessary for evaluation often not available, outdated or quality not ensured
- Lack of stakeholder acceptance for evaluations
- Policy and decision makers not familiar with how to use evaluation results
- No tradition of stakeholder involvement in S+T policy formulation, implementation and review
- Historically grown decision making processes put priority often on other inputs than scientific evidence
- Cultural and behavioral barriers
- > Lack of evidence based policy making concepts and experience

Current situation

city-Building Study, Study on behalf of the Australian (8 883, Sydney, December 1997; Ministry of Planning Evaluation Practice Module, Hanoi, May 2007

20ok, J.R., Monitoring & Evaluation ⊂apac r International Development, ACN 00152≀ iment, Monitoring and Evaluation Manual,

Vietnam's efforts to establish Monitoring and Evaluation (M+E) started two decades ago Development of Monitoring and Evaluation in Vietnam

General M+E schemes

- Dôi mới (renovation) process launched 1986 prescribed fundamental reorientation of policies and of mission, roles and responsibilities of public sector institutions.
- Newly formed Ministry of Planning and Investment and Ministry of Finance became key actors with respect to the general introduction of M&E mechanisms. At the sectoral level, each Ministry was responsible for monitoring the activities in its area.
- Foreign assistance was used to introduce and strengthen M+E mechanisms.
 Example: In 1989, UNDP/World Bank undertook a program to strengthen the M&E Unit of the State Committee for Cooperation and Investment (SCCI) SCCI. The program (VIE/89/010) provided evaluation training.
 Major challenge: Inadequate availability and sharing of information, due both to lack
- Major challenge: Inadequate availability and sharing of information, due both to lack of an effective information system, and to the institutional culture bred during the post-war years where information sharing was not encouraged. Efforts were launched to improve availability and sharing of information and to establish a new 'culture' with regard to information sharing.

Since then, continuous efforts have been made to develop the M+E framework. ODA financed cooperation has been a major driver of progress with M+E. Example: Vietnam-Australia Monitoring and Evaluation Strengthening Project (VAMESP II) to develop an effective national system for M+E to maximize the benefits from ODA in Vietnam, as required by Decree 131/2006/N§-CP 5

Current situation

As a part of this overall M+E initiative, S+T evaluation has begun to emerge since 2000

Development of S+T Monitoring and Evaluation in Vietnam

In 2000, the National Assembly promulgated the Law on Science and Technology (S+T Law). For the first time, Vietnam has its own uniform legal framework regulates the organization of Science and Technology activities.

- Articles 20, 24 of the S+T Law provide for evaluation, selection and assessment of the results of scientific and technological tasks
- Article 31 of the S+T Law provides for the evaluation of Science and Technology for the projects and programs of socio-economic development
- Pursuant to the S+T Law, the Ministry of Science and Technology (MOST) issues regulations and conducts evaluations of National S+T tasks, for example of the projects conducted under the National S+T Key programs (KC, KX); projects of the Gene Fund; projects of the international S+T Cooperation Program and of other projects conducted under the auspices of MOST
- Other ministries and provincial governments promulgate related regulations on S+T evaluation and evaluate those S+T tasks which they support.

Current situation

Practical work started with putting in place first generation evaluation tools

Early examples of S+T evaluation in Vietnam

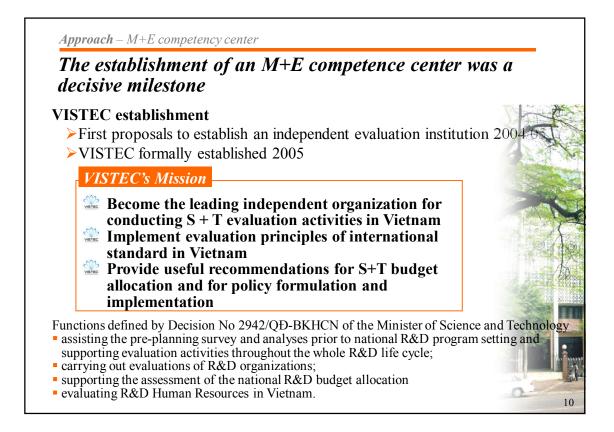
- ➤ The National Foundation for Science and Technology Development (NAFOSTED) evaluates the S+T tasks which are supported by the Foundation, currently mostly basic research projects.
- In other domains, e.g. applied research, S+T evaluation focuses only on selection, evaluation and assessment of S+T tasks (e.g. research projects).
- Systematic performance evaluation of S+T programs not yet established: At the end of each implementation phase (typically five years), S+T program management board self-assesses performance and results through the final report and submits this assessment to high level policy makers.
 First pilot evaluations carried out 2010, with revised methodology 2013/14
- Regular evaluation of S+T organizations not yet established. S+T organizations prepare and submit annual reports on their activities to management agencies.
 - *First pilot evaluations carried out 2012/13*
- Evaluation of S+T strategies and policies not yet established: At the end of each implementation stage (5-10 years), MOST prepares and submits a report on the results of the implementation of S+T strategies and policies to high level policy makers.

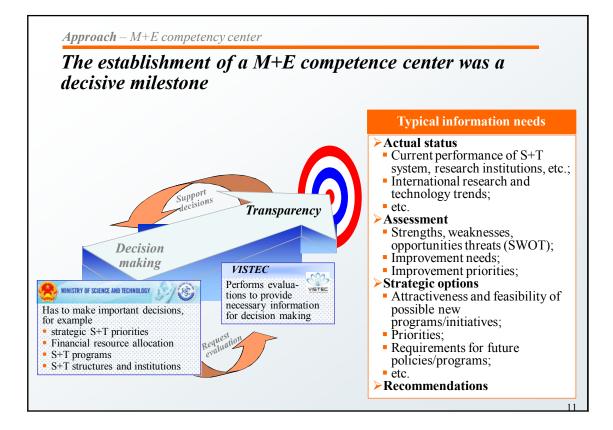
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Current situation

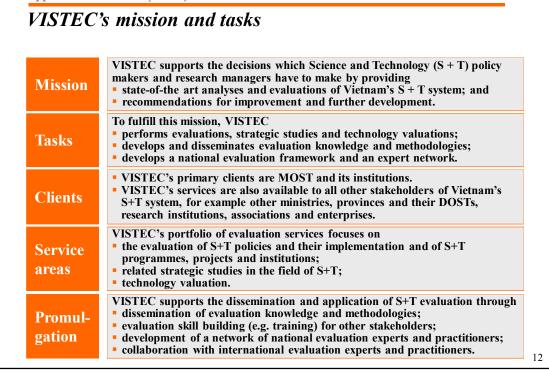
Issues	Vietnam today	Germany 📂	Issues for development
Evaluation framework	Still 'bits and pieces', important elements missing	Consistent M+E, all major S+T elements evaluated systematically	Design and implement a consistent evaluation framework
Evaluation approach	Usually internal (self-) evaluation; low stake-holder involvement	External evaluation by neutral experts; strong stakeholder involvement	Establish standards to ensure transparency and stakeholder involvement
Evaluation instruments	Working on first generation M+E instruments	Proven M+E instruments, based on scientific methods	Establish consistent set of M+E instruments; continuous improvement
Data for evaluation	Administrative fo- cus, lack of reliable performance- oriented data	Necessary data available and systematically collected	Improve S+T statistics, learn to collect necessary data from programs, etc.
Evaluation expertise	National competence center VISTEC, too few evaluation experts	Large pool of experienced evaluation institution and experts	Strengthen VISTEC, disseminate M+E knowledge; build expert community
System and behavioral restrictions	M+E-type interac- tions not encoura- ged; limited use of M+E results	Stakeholders used to collaborate, M+E results used for decision making	Amend relevant system elements, build evidence- based policy processes

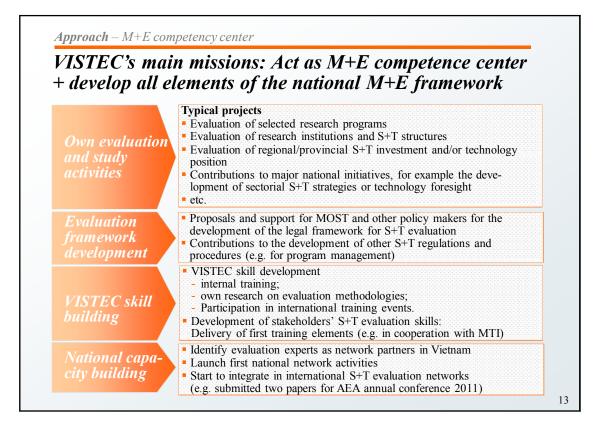
Current situation	Current situation			
Typical challenges of a country in transition				
Regulatory basis, standards & framework	 Target: Consistent set of regulations, standards, etc. Challenges: Binding M+E requirement in place, but detailed guidance for implementation missing 			
Evaluation skills and experience	 Target: Set of proven M-E instruments, adapted to specific situation and needs; large pool of practitioners Challenges: Accelerate build-up of M-E capacities/competencies 			
Institutional capacities	 Target: Full-fledged M+E competence-center Challenges: VISTEC = under-critical mass; lack of other practitioners/institutions 			
Networking and learning	 Target: Exchange of experiences, integration in international `M+E networks and co-operations Challenges: Necessary instruments and capacities missing 			
Necessary preconditions	 Target: Improved preconditions for M+E: Availability of statistical data, trans-institutional data collection, etc. Challenges: National S+T statistics system still inadequate 			
'M+E culture'	 Target: Stakeholders collaborate constructively, decision makers use M+E results for evidence-based decision making Challenges: Institutional and behavioral barriers 			
'Bits & pieces' → M+E System	 Target: Integration of all M+E elements for better efficiency and impact = political and management challenge! 	Ģ		

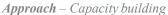




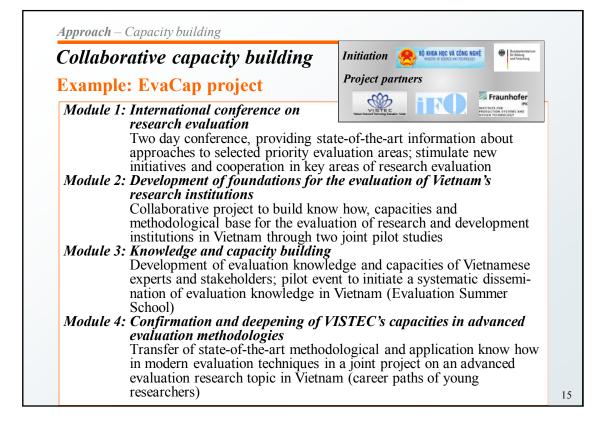
Approach – *M*+*E* competency center



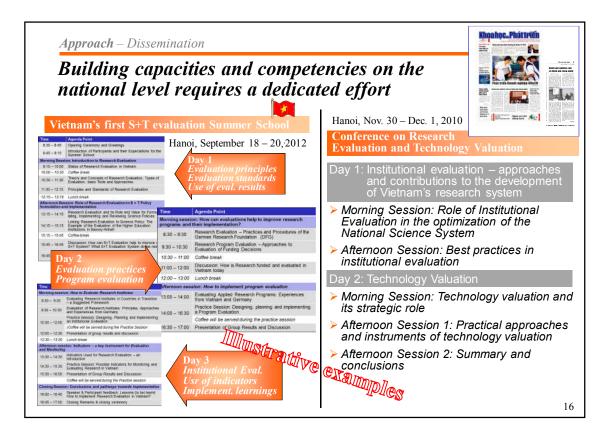




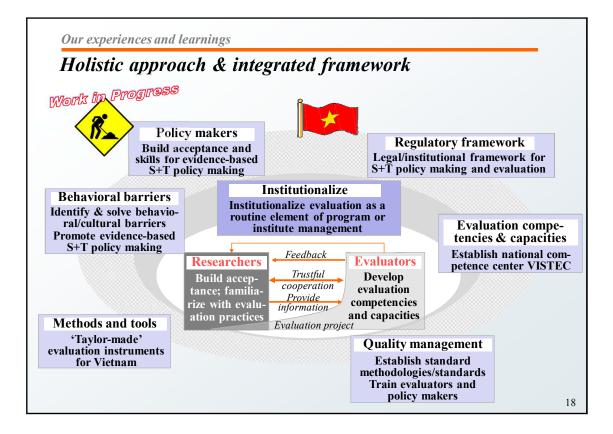
Capacity building through "learning by doing" in collaboration with experienced international partners VISTEC's international collaborations for evaluation capacity building Since the foundation of VISTEC, international collaboration has been used systematically to build evaluation capacity > Some important milestones Vietnam's Evaluation of the Science and Technology System (VISION) Joint Research on R&D Programs and Projects Evaluation in Vietnam kistep (Joint) Evaluation of the KC05 applied research program Content to the KC05 applied research program Content Evaluation Capacity Building (EvaCap) Evaluation Capacity Building (EvaCap) > Complementary knowledge transfer and continuous support by an integrated German expert 📼 Continuous exchange with other leading S+T policy/M+E institutions, e.g. in Germany, France, China, Taiwan and Korea

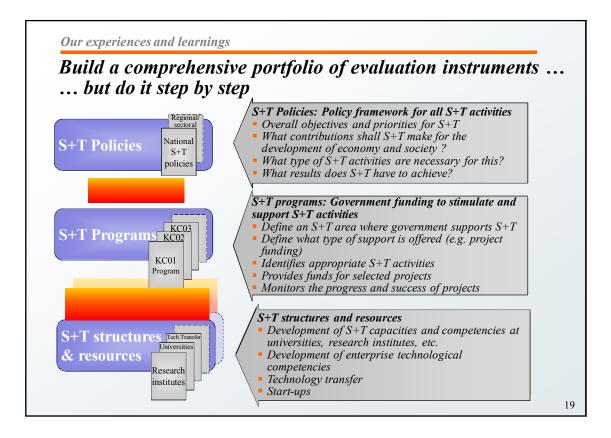


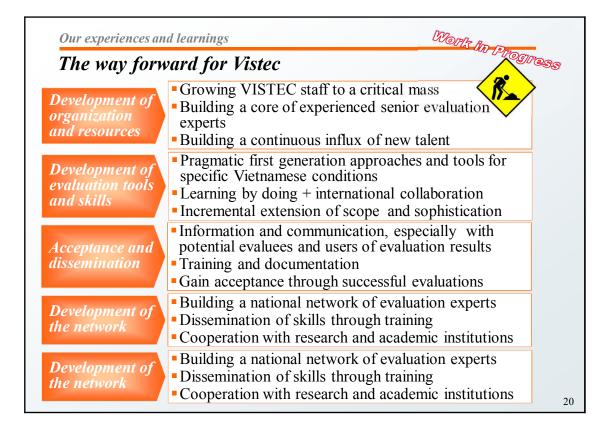
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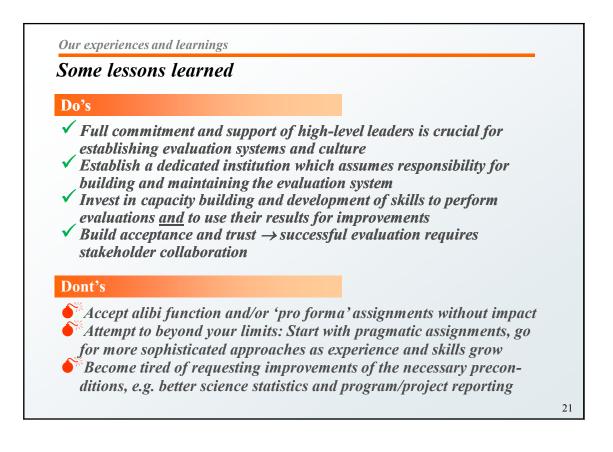


Holistic approd	earnings ach & integrated framework
Implemen- tation	 Holistic approach necessary Establishing only evaluation achieves limited sustainable impact
Methods & tools	 Taylor-made evaluation methodologies Develop stepwise: Start with pragmatic, simple to use first generation methods
Policy & socio-econ. environment	 Evaluation must fit organically into the 'landscape' Adapt to policy and socio-economic context
Cultural issues	 Don't underestimate cultural differences! Examples: Different approaches to critique, questionnaires, workshop discussions, communication of results, etc.









Contact

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