Improving the use of evidence in prevention practice

Lessons learned from violence prevention in Austria

Christiane Spiel

Faculty of Psychology, University of Vienna, Austria

European Society for Prevention Research
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University of Vienna (Austria)
Evidence in policy and practice?

(Spiel, 2009a, 2009b; Spiel, Lösel & Wittmann, 2009a, 2009b, 2011; Spiel, Schober, Strohmeier & Finsterwald, 2011; Spiel & Strohmeier, 2012; Spiel & Schober, 2015, 2016; Schober & Spiel, 2016; Spiel & Schober, 2017; Spiel, Schober & Strohmeier, 2016)
Evidence in policy and practice

Evidence-based policy and practice is an approach that “helps people make well-informed decisions about policies, programs and projects by putting the best available evidence from research at the heart of policy development and implementation.”

(Davies, 2004)
Evidence in policy and practice

However, the transfer of research findings is so far poorly established, in particular in the field of education.
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<th>Reasons for poor transfer</th>
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<td>Researchers</td>
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<td>Practitioners</td>
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<td>Policy makers</td>
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Reasons for poor transfer

Researchers

- Focus on general mechanism than on practical actions in concrete situations
- Neglect of translational research in comparison to basic research (impact in scientific community)
- Lack of knowledge about field conditions
Reasons for poor transfer

- Poor knowledge about standards, criteria and methods of research → difficulties in communication
- Low motivation to increase knowledge in this field
- Low interest in research findings
Reasons for poor transfer

Researchers

• Poor knowledge about standards, criteria and methods of research
  ➔ difficulties in take up research results
  ➔ difficulties in communication with researchers

Practitioners

• Research results might contradict political programs and ideologies

Policy makers
Successful and sustainable transfer

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Successful and sustainable transfer

- Research according **standards of evidence**
Successful and sustainable transfer

Standards of Evidence – basic criteria:

• Theoretically based
• Evaluated using state-of-the-art methods (randomized controlled trial) under real-world conditions
• Showing consistent positive effects (including one long-term)
• Carefully documented (manuals etc.)
• Clear information about target groups and costs
• Monitoring and evaluation tools
Successful and sustainable transfer

- **Researchers**
- **Practitioners**
- **Policy makers**

- Research according **standards of evidence**
- Communication of research findings in the language of practitioners and politicians
- Using respective building **networks for successful transfer** (including people from the media)
Successful and sustainable transfer

- Making themselves and their institutions **ready for prevention**
- Understanding the **necessity of interventions**
- Knowledge acquisition about research in general and research findings
- Readiness for **engagement**
- Establishment of **working teams** (high acceptance in the institutions, administrative support)
- Activation respective establishment of **local networks**
Successful and sustainable transfer

• Advocation for evidence in policy and controlling by evaluations
• Assessment of cost-benefits of transfer
• Establishment of support and incentive systems (to force transfer in institutions)
• Implementation of evidence based education (for teachers etc.)
• Promotion of acceptance in the public
Evidence in policy and practice

How successful and sustainable transfer can be established?

Cooperation and communication

- Researchers
- Policy makers
- Practitioners
How successful transfer can be realized?

Violence prevention in Austria as an example
Since 1997: broad public and media attention on violence in schools

1997: *Ministerratsvortrag* (a joint statement issued by four federal ministers): intention to set initiatives to prevent violence in several social domains

2003: Report on violence in Austrian schools (EU-project; Atria & Spiel):

- only single activities
- no theoretical base
- no evaluation

⇒ Standards of evidence are lacking
Beginning of 2007:

• quick succession of several spectacular events in schools

• public discussion of the high rates of bullying and victimization (HBSC survey)
Consequence

Mandate from the Federal Ministry for Education to develop a national strategy for violence prevention in the Austrian public school system
How to develop such a strategy?
Challenge
Integration of the various stakeholder groups in Austria already involved in violence prevention in school and kindergarten (partners)
Objectives and Procedure

Identified stakeholder groups

- politicians
- members of the federal ministry (bureaucrats)
- teachers union
- national parents committee
- students representatives
- school psychologist
- school medical doctors
- social workers
- police
- child and adolescents psychiatrists
- pedagogical universities
- universities (with teacher training)
- scientists
- NGOs
- media and public relation
Objectives and Procedure

Integration of the various stakeholder groups in Austria already involved in violence prevention in school and kindergarten (partners)

Exchange with international experts in the development of national strategies

Application of theoretically based and evaluated prevention programs

Continuous exchange with the responsible administratives of the Federal Ministry for Education, Arts, and Cultural Affairs
Stakeholders

IT'S NEVER TOO LATE TO COOPERATE
„Together against violence“

extended later on to

„Weisse Feder – Gemeinsam für Fairness und gegen Gewalt“

(Spiel & Strohmeier, 2011; Spiel, Schober, Strohmeier & Finsterwald, 2011; Spiel, Salmivalli & Smith, 2011; Spiel, Wagner & Strohmeier, 2012; Spiel & Strohmeier, 2012; Spiel & Strohmeier, 2013)
Main goals

1. Increase awareness and knowledge about violence:
   I know, we know

2. Increase social competence skills and strategies to cope with violence:
   I can, we can

3. Increase responsibility and civil engagement:
   I do, we do

   in students, teachers, parents but also in the whole society

Inspired by the KiVa computer game (presented by C. Salmivalli, 2007)
Activity domains (contents)

- Evaluation and Research
- Prevention und Intervention
- Knowledge Transfer and Education
- Networking and Cooperation
- Information und Public Relations
- Policy and Advocacy
Time table

November 2007: Presentation of the Strategy at the Federal Ministry

December 2007: Presentation of the strategy at a media conference (together with the Federal Minister Dr. Claudia Schmied)

2008: The topic of violence prevention (national strategy) became part of the coalition contract between the two governmental parties

2008 – 2013: Implementation of the national strategy

2014 - : Continuation on a lower level
## Implementation 2008-13

<table>
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<th>Activity domain</th>
<th>Projects</th>
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<tr>
<td>Policy and advocacy</td>
<td>• The national strategy is an integral part of the Austrian government program.</td>
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<tr>
<td>Prevention and intervention</td>
<td>• Increase the number of school psychologists (ÖZPGS)</td>
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<td>• Pilot projects by school social workers</td>
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<td>• Implementation of &quot;Behavior agreements“</td>
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<td>• Implementation of the &quot;Faustlos&quot; program</td>
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<td>• Implementation of the Viennese Social Competence Training (ViSC) program</td>
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<td>• Implementation of &quot;Peer mediation“</td>
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<td>• Nationwide</td>
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<tr>
<td>Knowledge transfer and education</td>
<td>• Violence prevention and social competence promotion as obligatory components of basic teacher education</td>
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<td></td>
<td>• Train-the-trainer course for teachers</td>
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<td>• Train-the-trainer courses for &quot;ViSC coaches&quot;</td>
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<td>• Information workshops for schools and kindergartens</td>
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<tr>
<td>Information and public relations</td>
<td>• Establishment of a national internet platform</td>
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<td>• Organisation of events</td>
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<td>• Press conferences</td>
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<td>• Media reports</td>
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<td>• Information material</td>
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<tr>
<td>Networking and cooperation</td>
<td>• Establishment of a steering committee</td>
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<td>• Joint conferences among the stakeholders (= partners)</td>
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<td>• Cooperation with national television networks</td>
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<tr>
<td>Evaluation and research</td>
<td>• Documentation and evaluation of the implementation of the national strategy</td>
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<td>• Evaluation of the prevention and intervention programs</td>
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<td>• Development of online self-assessment instruments for classes and schools</td>
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Homepage

Die Weiße Feder
Gemeinsam für Fairness und gegen Gewalt

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Wenn Du Hilfe brauchst
Ruf uns an!

Gemeinsam Zeichen setzen

Das WiSK-Programm wird ausgeweitet – Anmeldungen ab sofort möglich!

Die Weiße Feder
Die „Weiße Feder“ findet breite Unterstützung von Prominenten aus Kunst, Kultur, Medien und Sport sowie Partnern, die einen

News

Start
Evaluation activities

- Interviews with Stakeholders (ex ante): Supporting the development of the national strategy
- Representative data collection in schools: PISA: Providing baseline data
- Subprojects organized their evaluations e.g., ViSC RCT: Checking implementation quality and effectiveness of the subprojects
- Evaluation of the implementation of the national strategy – contribution of the single projects: Providing information about the implementation quality of the entire national strategy and possible optimization
- Self-Assessment-instruments for schools: Ensuring evaluation tools for sustainability
Lessons learned for Policy and Practice Impact from Research and Interventions

(Spiel, 2009a, 2009b; Spiel, Lösel & Wittmann, 2009a, 2009b, 2011; Spiel, Schober, Strohmeier & Finsterwald, 2011; Spiel & Strohmeier, 2012; Spiel, Schober & Strohmeier, 2016; Schober & Spiel, 2016; Spiel & Schober, 2017)
Integrative/ holistic research approach

Transfer of programm implementation
Coordinated development of intervention and implementation
Establishment of a cooperation process with policymakers
Identification of starting points for action
Availability of evidence base

Problem recognition

(Spiel, Schober & Strohmeier, 2016; Schober & Spiel, in press; Spiel & Schober, in press)
Integrative/ holistic research approach

Problem recognition
Problem recognition

Focus on significant and widespread problems in society

- Researchers must not be only curiosity-driven but also mission-driven
- combining the quest for fundamental understanding with a consideration of practical use
Integrative/ holistic research approach

Problem recognition
Availability of evidence base

Fundamental precondition for intervention and implementation

- Researchers have to be experts in the relevant field
- with excellent knowledge of theory, methods, empirical findings, and limitations
Integrative/ holistic research approach

Problem recognition
Identification of starting points for action

Researchers need

➤ high expertise in the relevant scientific field

➤ knowledge and experience in the relevant practical field with its contextual conditions and culture

➤ including knowledge about potential problems and limitations
Integrative/ holistic research approach

Problem recognition
Establishment of a cooperation with policy makers

Researchers have to consider that there are other influences on government and policy beyond evidence.

These include:

- values, beliefs, and ideology – driving forces of many political processes
- habits and traditions – important and cannot be quickly changed
- media, lobbyists and pressure groups
- researchers’ experience, expertise and judgment
Establishment of a cooperation with policy makers

Researchers have to keep in mind that

- policymaking is highly embedded in a bureaucratic culture and is forced to respond quickly to everyday contingencies

- policymaking is always a matter of what works at what cost and with what outcomes

Consequently, researchers have to

- find ways to integrate evidence with these many factors

- raise their voice – in some cases, they have to be very insistent
Integrative/ holistic research approach

Problem recognition
Coordinated development of intervention and implementation

Centerpiece = a long process rather than a step

The **coordinated development** has to be performed in a theory-driven, ecological, collaborative, and participatory way.

Researchers have to

- **include** practitioners, policymakers, government officials, public servants, and communities in this development process

- **communicate** in the language of these diverse stakeholders and meet them as equals
Implementation model of the ViSC school program
Coordinated development of intervention and implementation

Consequently, researchers need to have

- all of the **knowledge**, **competencies** and **wisdom** described before

- plus **theoretical knowledge** and **practical experience** in intervention and implementation research
Integrative/ holistic research approach

- Problem recognition

- Integrative/holistic research approach

- Establishment of a cooperation process with policymakers

- Identification of starting points for action

- Availability of evidence base

- Coordinated development of intervention and implementation

- Transfer of programm implementation
Transfer of program implementation

**Implementation =**

the “specific set of activities designed to put into practice an activity or program of known dimensions” (Fixsen et al., 2005, p.5)

**Implementation science =**

“the scientific study of methods to promote the systemic uptake of research findings and evidence-based practices into professional practice and public policy” (Forman et al., 2013, p.80)
I³-Approach
Integrative Intervention and Implementation Research

Transfer of programm implementation

Coordinated development of Intervention and implementation

Establishment of a Cooperation process with policymakers

Identification of Starting points for action

Availability of evidence base

Problem recognition

PASCIT

(Spiel, Schober & Strohmeier, 2016, Prevention Science)
Fulfilling all these demands

The researcher has to be a *jack of all trades device*

... or has to work in teams together with colleagues with complement experiences and competencies.
Violence Prevention Research Team
University as supportive context

Given the growing social, economic and societal challenges there is an increasing demand for universities to use their knowledge from research and teaching to fulfil their

→ **Responsibility for society** – targeted use of scientific knowledge to deal with diverse social challenges

→ **Transfer of knowledge, technology, and innovation** and cooperation with economy in accordance with research and academic teaching with the aim to further strengthen these essential university pillars
Thank you for your attention!