



## Annex 1 – Action plan template

Produced by each region, the **action plan** is a document providing details on **how** the lessons learnt from the cooperation will be exploited in order to improve the policy instrument tackled within that region. It specifies the nature of the actions to be implemented, their timeframe, the players involved, the costs (if any) and funding sources (if any). If the same policy instrument is addressed by several partners, only one action plan is required.

### Part I – General information

Project: FINERPOL

Partner organisation: AUTONOMOUS PROVINCE OF TRENTO

Other partner organisations involved (if relevant): Provincial Agency for Water Resources and Energy (Agenzia Provinciale per le Risorse Idriche e l'Energia – APRIE)

Country: ITALY

NUTS2 region: ITH2 AUTONOMOUS PROVINCE OF TRENTO

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### Part II – Policy context

The Action Plan aims to impact:

€	Investment for Growth and Jobs programme
€	European Territorial Cooperation programme
<del>€</del>	Other regional development policy instrument

Name of the policy instrument addressed: *Public-Private Revolving Fund L.P. 6/99 art. 34 ter, then changed with L.P. 20/2012*

## Part III – Details of the actions envisaged

### ACTION 1

**1) The background** (please describe the lessons learnt from the project that constitute the basis for the development of the present Action Plan)

*FINERPOL project aims to increase the renovation rate of buildings, and, in particular, investments in energy efficiency and renewable energy, by improving access to finance.*

*Thanks to the active cooperation within the project, FINERPOL partners identified many examples of financial instruments for energy efficiency and renewable energy projects and evaluated them according to criteria developed together by the partnership. These criteria included what each initiative aimed to achieve, who was involved, its financial performance, and impact on reducing carbon emissions.*

*In particular, as far as the Italian market is concerned, the Autonomous Province of Trento, through its Provincial Agency for Water Resources and Energy, selected five projects as an example of best practice. The projects and their main figures are listed in the following table:*

Project	Object	Investments	Contract Type	Energy Savings
<b>PadovaFIT!</b> (Municipality of Padua)	356 apartments in private buildings	€ 2,5 mln 100% private	9-years EPC with Third Party Financing	>30% guaranteed >2.326 MWh/year
<b>2020 Together</b> (Metropolitan City of Turin)	200 thermal plants	€ 2 mln 100% private	3-years EPC with Third Party Financing	30%
	Deep renovation 18 public buildings	€ 2 mln >50% private	12-years EPC	60%
	Public lighting in 6 Municipalities	€ 2 mln 100% private	12-years EPC with Third Party Financing	22%-44%
<b>PARIDE</b> (Province of Teramo)	Public lighting 19.400 street lights in 7 Municipalities	€ 7 mln 100% private	16-years EPC with Third Party Financing	65%
<b>LEMON</b> (Region Emilia Romagna)	622 private and public (social housing) apartments	Est. > € 15 mln 100% private	EPTA Energy Performance Tenancy Agreement	Est. >40%
<b>EnerSHIFT</b> (Region Liguria)	44 Social Housing buildings in 13 Municipalities	Est. > € 15 mln 100% private	EPC with Third Party Financing	Est. 14.500 MWh/y

*The selected projects have different objectives but the results in terms of lesson learnt are quite similar: all of them show that energy efficiency projects are feasible and successful even without public contribution (with the only exception of one of the projects included into the 2020 Together program that concerns a deep renovation intervention) and are able to activate private investments by ESCOs.*

*attractiveness for the market. Here there are the main lessons learnt regarding the structuring of the projects:*

- *Small and medium Municipalities need the help of bigger institutions like Provinces or Regions in order to better manage European Funds;*
- *Small projects should be aggregated into large-scale tenders in order to attract the interest of bigger and more qualified ESCOs (that usually can offer higher investments and better performances);*
- *There is need for a common method for energy auditing in order to gain consistent and robust data on consumption that could help the evaluation of the project by the market;*
- *The use of Energy Performance Contracts with Third Party Financing is becoming a common standard for energy efficiency projects as it ensures the performance and a correct allocation of risks;*
- *Energy efficiency projects are feasible, with appreciable results, even without direct public contribution;*
- *Public grant is only useful for the realization of deep renovation works on buildings with high levels of energy savings (e.g. >50-60%) and/or to reduce the duration of the EPC.*

*Even if all the selected best practices are related to projects developed in Italy, the exchange of experiences between different countries that took place along the duration of FINERPOL project has been of fundamental importance for increasing capacity and, most of all, for having a more comprehensive vision of all the financial instruments implemented in other territories.*

*The potentialities and the added value of an interregional approach to the elaboration and implementation of financial instruments for energy efficiency and RES were fully investigated during all the interregional events.*

*The participation in the above-mentioned events aided the start of greater and more engaged collaboration between partners, the identified stakeholders within the project FINERPOL application, and the existing stakeholders of the Trentino Energy Board platform. This engagement was consolidated throughout the whole phase one of the project, thanks also to the practical nature of the activities involving the collection of data related to particular practical examples of financial instruments use. Additionally, interregional events have proven to be extremely valuable by offering the opportunity to meet the various stakeholders in person, as well as providing us with the possibility to visit the various examples of successfully completed infrastructure projects. As a matter of fact, study visits made real the attractiveness of such instruments, to create a circular green economy with large social benefits.*

*From our point of view, there have been some particular moments in which the aforementioned exchange of experiences has been more effective, listed below:*

- *during the Interregional Event held in Prague in September 2016, the speech of the partners from Prague about the approach and the implementation of an ERDF specifically designed to foster the transition of energy sector;*
- *during the Interregional Event held in Plymouth in November 2016, the speeches provided by key note speakers and experts engaged by the partner of Plymouth about the approach and implementation of London Energy Efficiency Fund, RE:FIT and RE:NEW;*
- *during the Interregional Event held in Trento in March 2017, the possibility to share with the partners of FINERPOL some of the national best practices about investments in energy efficiency and renewable energy;*
- *during the Interregional Event held in Tartu in January 2018, the joint meeting with Interreg Europe Social Green project, where contents, aims and overlappings were investigated in a truly cooperative way among the partners of the two consortia; furthermore, the speech about the estonian Kred-Ex fund allowed us to fully understand the touchstone of loans all over Europe;*
- *during the Interregional Event held in Porto in May 2018, the learning camp activity was helpful to go more in deep in the Action Plans drafted by the partners of the consortium and in the related financial*

*instruments to be implemented.*

*Therefore, the effectiveness of the participation in the Policy Learning Platform has a two layers nature: regional and European, strongly interconnected one another. This interconnection allowed us to be more aware on how to change our policy instrument, as described in the following point.*

*However, since the Autonomous Province of Trento already has an Operational Programme financed under the European Regional Development Fund for the period 2014-2020, we will not modify it along the duration of the project.*

## **2) Action** (please list and describe the actions to be implemented)

*First of all, as stated in the 3rd Progress Report, thanks also to the preliminary analysis done within the FINERPOL project, an important action has already taken place since the revolving fund policy instrument that was initially addressed was suspended and the Province chose a new policy instrument, in a logical continuation of the previous one, that is the Provincial Law n.20/2012. This law is the main legislative framework on energy issues since the special Statute of Autonomy grants the Province direct legislative, administrative and financial jurisdiction in fundamental areas, including energy.*

*In particular, according to Provincial Law n.20/2012, the Province provides grants for the implementation of energy efficiency works on buildings, with a focus on private condominiums. Funds may be used both for energy auditing of the buildings (up to 100% of cost) and for the realization of works (up to 70% of cost). This policy instrument is also already compliant with Energy Performance Contracting with private ESCOs but it has been experimented so far only on private buildings.*

*On the basis of the results of the best-practices that were analyzed within the FINERPOL project and given the good results obtained on private buildings with the use of the funds from Provincial Law n.20/2012, the Autonomous Province of Trento intends now to encourage the activation of new energy efficiency projects on public buildings.*

*This can mainly be done by boosting the use of Public-Private Partnerships financing schemes, preferably through Energy Performance Contracts scheme in order to:*

- *Act on medium or large-scale building stocks;*
- *Activate private investments;*
- *Reduce the amount of investments to be made by the Public Administrations;*
- *Have a guarantee on energy performance;*
- *Optimally allocate risks among the Private and Public subjects.*

*To this extent, the Autonomous Province of Trento intends to set-up the following actions in order to encourage the activation of energy efficiency projects, especially within EPC schemes.*

- a) *Development and structuring of an information database and control system to systematically collect energy data of the Province buildings:* *an accurate information database on energy data (i.e. monthly energy consumption of each buildings in terms of Scm of natural gas, liters of diesel fuel, kWh of electric energy and related costs) is a fundamental starting point for every energy efficiency project. This tool will help the Province itself to efficiently collect all energy information on its own buildings in order to keep control of energy consumption of their buildings and related expenditures. The tool will thus increase the Administrators' awareness of the actual status of their building and will help them better evaluate the convenience of implementing an energy efficiency project but it will also allow important time savings for the realization of energy auditing.*

*This Action will start at the beginning of Year 1 and will be completed with the data collection for all Province buildings by the end 2018;*

- b) Encouraging the use of the tool among the Municipalities of the Province: since the information tool will be also helpful for Municipalities, the Province, on the basis of its own experience, will encourage a widespread use of the tool among the Municipalities. This will be done by informing all Municipalities about the existence and availability of the new tool and granting them the access to its use. The Province will thus organize specific events aimed at introducing the new tool to the Municipalities and explaining them the advantages and benefits deriving from its implementation and use.

*This activity will start after the complete implementation of the tool by the Province and will be carried out in the following 12 months;*

- c) Monitoring the results obtained by private condominiums that benefitted from financial resources of L.P. 20/2012: since almost all financial resources provided by the Autonomous Province of Trento under L.P. 20/2012 for private condominiums are assigned and the fund is almost over, the Province intends to set-up a monitoring system in order to assess the results obtained. In particular, since an important share of resources was granted for energy auditing, the Province wants to know if any energy efficiency work took place after the auditing and, if yes, through which financing scheme. In order to do so, the Province will start a monitoring activity in order to assess the actual results of the activities in terms of works realized and energy savings achieved. This action will be very important both for assessing the value created by the policy instrument and for a reconciliation between the communication and dissemination activities carried out towards the condominiums with the actual results achieved. The action will be carried out by collecting all energy documents and information that the beneficiaries of the funding are obliged to supply, in particular the energy performance certificate ("Attestato di Prestazione Energetica") for the renovated buildings. This data will be compared with the ex-ante situation provided during the energy auditing phase and eventually, by the end of the project, the Province will produce a report for the dissemination of the results.

*This action will start in Year 2 in order to allow the beneficiaries to actually do the activities for which they asked for the contribution and give them the necessary time to produce the documents needed for the monitoring activity;*

- d) Online widespread of a selection of guidelines and best practices related to financial instruments for energy efficiency through a dedicated web platform: in order to facilitate the widespread of the best market practices in the energy efficiency sector, the Autonomous Province of Trento will develop a new web platform dedicated to all the Municipalities that want to obtain specific information about how to correctly set-up an energy efficiency project in a public-private partnership scheme. For this purpose, the web platform will be used to publish guidelines, project reports, newsletters and best practices related to energy efficiency projects and, in particular, to projects carried out with private investment in an EPC scheme. The platform will thus include all best practices analyzed within the FINERPOL project and other best practices, preferably coming from the Province, but will also include other useful documents such as guidelines that may help the Municipality to cope with energy efficiency projects. The web platform may also post newsletters from the sector reporting recent projects developed in the Region, updates on regulation, new financing opportunities, etc...

*The Action will start at the beginning of Year 1 and will be carried out until the end of the project with a continuous update of the contents on the platform;*

- e) Information and dissemination events involving all the Municipalities of the Province: the Autonomous Province of Trento will organize a series of events specifically addressed to small and medium Municipalities to disseminate the best practices for energy efficiency project with the practical purpose of making them aware of the opportunities offered by the market. According to the lessons learnt explained under point a), the active participation of a bigger institution such as the Province facilitates

the dialogue with the Municipalities and may result in the creation of more interest toward this kind of projects.

The Action will be carried out in Year 2 on the basis of an event agenda that will be defined.

In this context, the Autonomous Province of Trento may also assess the possibility of activating an energy efficiency project on its own buildings, that, in case, would be developed and carried out beyond and outside the FINERPOL project. This may be important in order to create a local best-practice that could be useful for other small Municipalities of the Province that want to activate their own energy efficiency projects. In fact, the realization of a medium or large-scale project in the area could boost the activation of other similar projects by the Municipalities that could benefit from the lesson learnt.

**3) Players involved** (please indicate the organisations in the region who are involved in the development and implementation of the action and explain their role)

Players involved in the development and implementation of the actions are the following:

- Autonomous Province of Trento: Policy Maker;
- APRIE: Local agency for water sources and energy, owned by the Autonomous Province of Trento, that acts as technical branch for the Province of Trento;
- Local Municipalities: All the Municipalities in the Province of Trento that will benefit from the actions developed and carried out by the Province itself and that acquire new theoretical and practical knowledge about energy efficiency projects;
- External consultants: Legal, administrative and financial-economic experts that may help the Province or the Municipalities into structuring energy efficiency projects and EPC contracts;

**4) Timeframe**

Timeframe for a complete implementation of the actions listed under point 2) can be estimated in 24 months.

		YEAR 1												YEAR 2											
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
<b>a</b>	<b>New Information Tool</b>																								
a.1	Implementation of new tool																								
a.2	Data entry for Province buildings																								
<b>b</b>	<b>Encouraging use of Tool by Municipalities</b>																								
b.1	Information campaign																								
b.2	Organization of specific events																								
<b>c</b>	<b>Monitoring of results of LP 20/2012</b>																								
c.1	Collecting energy performance certificates																								
c.2	Data elaboration																								
c.3	Monitoring report																								
<b>d</b>	<b>New Web Platform</b>																								
d.1	Activation																								
d.2	Implementation																								
d.3	Continuous update																								
<b>e</b>	<b>Information &amp; dissemination</b>																								
e.1	Information & dissemination events																								

**5) Costs** (if relevant)

The costs needed for implementing the planned actions are reported below:

- a) The development and structuring of an information database and control system to systematically collect energy data of the Province buildings consists in a work carried on by “Patrimonio del Trentino” which is a fully owned company of the Autonomous Province of Trento, subject to its management and coordination activities. “Patrimonio del Trentino” has been supported by the Energy Management of the Province, but both the former and the latter are working thanks to the internal budget, without external appointments. The staff costs for this action can be estimated at € 12.000.
- b) In order to promote the aforementioned tool among the Municipalities of Trentino, the Province will organized specific dissemination events or will identify already planned events involving Municipalities

in order to reach a wider audience. Even in this case, the related costs will be covered by the internal budget of the Province, which can count on its internal press office to spread the word about the initiatives. The staff costs for this action can be estimated at € 2.000. External costs should be related only to catering services, which can be estimated as 1.000 € per event.

- c) The action of monitoring the results obtained by private condominiums that benefitted from financial resources of L.P. 20/2012 is inserted within the framework of the incentives that the Province gives through APIAE, which is the Provincial Agency for the Incentive of Economic Activities, so the related costs are still included in the internal budget of the Province. The staff costs for this action can be estimated at € 6.000.
- d) The costs related to the online widespread of a selection of guidelines and best practices related to financial instruments for energy efficiency through a dedicated web platform are both internal and referred to an external appointment. More specifically, the Province selected through a public tender a company with a specific expertise in designing web platforms addressed to public bodies and appointed it to build up the new provincial thematic portal on energy. The total amount for this appointment amounts to approximately € 37.000. The cost for the domain which hosts the portal and for the supervision activity on the contents uploaded in the portal are related to the internal budget of two entities of the Province, namely "Informatica Trentina" (another fully owned company of the Autonomous Province of Trento) and APRIE (Provincial Agency for Water Resources and Energy). The staff costs for this action can be estimated at € 8.000.
- e) The action regarding the organization of information and dissemination events involving all the Municipalities of the Province will be carried on by using the internal budget of the Province, which can count on its internal press office to spread the word about the initiatives. The staff costs for this action can be estimated at € 2.000. External costs should be related only to catering services, which can be estimated as 1.000 € per event.

**6) Funding sources** (if relevant):

No funding is expected outside the internal budget of the Province.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Stamp of the organisation (if available): \_\_\_\_\_