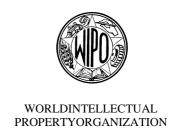
WIPO/IP/MOW/02/16

ORIGINAL:English
DATE:May2002





WIPOINTERREGIONALF ORUM ONSMALLANDMEDIUM -SIZEDENTERPRISES(S MES) ANDINTELLECTUALPRO PERTY

 $organized by \\ the World Intellectual Property Organization (WIPO)$

 $incooperation with \\ the Russian Agency for Patents and Trademarks (ROSPATENT)$

Moscow, May 22 to 24, 2002

EXPERIENCEREGARDING THENORWEGIANSME SANDTHEINTELLECTUA L PROPERTYRIGHTSSYS TEM:LESSONSANDPO LICYRECOMMENDATIONS

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0. Introduction

In 2001 the SME Division of the WIPO commissioned a study to explore how Norwegian SME scurrently (mis -) use the IPR system and how they might be better assisted by it. The original concernsoriginated at the Norwegian Ministry of Trade and Industry who had started to focus on the concernso fits large proportion of very small firms. There was mounting concern that Norwegian SME stend, as a population, not to be proficient users of intellectual property rights and that the IPR -System could perhaps be better geared to their needs. The WIPO agreed to fund the projection of derivatives are also supported by the system of the sy

Thisexplorationresultedina170pagerepor tentitled, "NorwegianSMEsandtheIPR System:ExplorationandAnalysis", which the STEP -Group designed and carried out in consultation with the study sappointed steering committee. The study provides valuable material that may be of a sistance for ot her decision -makers in other countries and contexts who find themselves addressing similar concerns. We invite the Moscow Forum to not esome aspects of the relationship between SMEs and the IPR system in Norway, and to consider how we have gone about study ing the complicated relationship in this national context. In this not ewedraw directly on the report to briefly say something about the background and design of the study, its method, as well as some of its esults and recommendations.

1. Background

TheNorwegianstudywaspromptedbyconcernsthattherelationshipbetweenSMEs andIPRsremainsrelativelyweakintoday's environment. This is seen as particularly disquieting in a prevailing environment in which markets are globalizing, economies are becoming more knowledge -oriented, and technologies are evolving ever more rapidly. The premise is that it has become increasingly important in this context to understand how SMEs currently use the IPR -Systemand, on this basis, to try to determine whether the conditions for it—can be improved. This is seen as a ripe are ato address as policy makers seek to improve the conditions for SME -competitiveness.

Norwayfeelsunsureandvulnerableabouthowchangesassociatedwithglobalization anda'pro -patentera'elsewherewillimpactitsmanysmallandmiddle -sizedenterprises. This worryisespeciallypronouncedsinceNorwegianenterprises, accordingtoanecdotalevidence, havetraditionallybeensetagainstpatentsandotherintellectualpropertyrig hts. Evenifthe anecdotalevidenceisoverstated(somethingthatthestudypointsto), therehasbeenlittleto indicatethatNorwegiansareparticularlyastuteatusingtheintellectualpropertyrights -system toforwardtheircompetitivepositionespecia llyonforeignmarkets. InthislightNorwegian policy-makersarerightlyconcernedabouthowtheireconomyisadaptingtothese circumstances.

http://www.step.no/: The STEP group was established in 1991 to support policy-makers with research on all aspects of innovation and technological change, with particular emphasis on the relationships between innovation, economic growth and the social context. The basis of the group's work is the recognition that science, technology and innovation are fundamental to economic growth; yet there remain many unsolved problems about how the processes of scientific and technological change actually occur, and about how they have social and economic impacts.

²WhichincludedWIPO.Informationaboutthestudy(itsbackground,itsmandateetc)areincludedin ther eportitself.

ManyothercountriessharethissenseofvulnerabilitywithNorway.IntheNorwegian caseseveralcharacteri sticsthatheightenconcerncanbenoted:Norwayischaracterizedbya smalldomesticmarket;ithastraditionallybeenacommodity -basedeconomy(fish,lumber andmorerecentlyoil),anditisstillcharacterizedbytraditionalindustriessuchasbasic engineering.TheNorwegianstudyvisitsgeneralissuesofIPRstodayandhighlightssome aspectsofhowthesituationischangingandwhatthismightmean.

IfNorwegiancompanies are in general not well informed about the potential benefits of the IPR syst em, what about the many tiny enterprises in Norway? Small and middle -sized enterprises make up about 98% of Norwegian enterprises. Even the classification for SMEs is small in Norway. In another European country an 'SME' might have 249 employees: in Norway, enterprises with more than 99 are considered large. And most Norwegian enterprises are infact micro -companies with between one and four employees. Such characteristics are certain to be shared with many other countries. The reason for concernist hat SM Es obviously lack the resources (time, money, and expertise) that larger firms have to understand the IPR -system and to use it to their best advantage. In this light Norwegian policy makers are rightly concerned about how their many small and middle -sized enterprises use the IPR system.

ManycountriessharewithNorwayalargenumberofsmallandmiddle -sized enterprises. These firmshave to a much larger degree than Norwegian SME sdifficulties mustering resources both in the form of finances and expert is eto come to grips with the potential benefits afforded by the IP -system. In general, this Norwegian study of fersother countries a conceptual understanding of the special position of SMEs, and what the literature tells us about their use of IPRs. (Chapter 3 in Section 1: see below)

Furthermore, some policy - makers are concerned with the way the Norwegian IPR system is made up and whether it is advanced enough to meet the changing environment characterized by globalization and new technologies. The IP - system comprises not only the legal framework of the intellectual property rights system. It also includes a set of institutions and agencies that are involved in administering the IPR system as well as those that are involved in advising or otherwise assist in gSMEs at a stage when IPR smight be relevant to them. It is imperative to understand how this infrastructure works because it directly influences whether and, ultimately, how enterprises utilize in tellectual property rights in a given context.

 $The N\ or we gian study makes the case that the working softhe IPR - system is especially important in the case of SMEs. Because of their more limited resources both in terms of time, money and expertise, SMEs are generally most dependent on the advisory and financ ing support that is available to it do mestically. The changing environment emphasizes the importance of a well -built, competent in frastructure that can help relevant SMEs decide whether and how best to use the IP system.$

Despitethis,manystudiestake the IPR - systemin frastructure and its effects for granted. This is particularly the case of those based on broad - brush comparisons of patent - statistics. This common approach over looks important national differences that influence those statistics. For agi vencountry, the institutions that make up the larger IP - system will be fundamentally different to that of a country like the US, which is often the focus of IPR discussions. It is therefore important to get a graspof what domestic institutions and agenci es make up the IPR - systemina country and how it might condition the utilization of IPRs at home. Mapping this infrastructure is the first step in making an appraisal of how well it functions to meet the needs of SMEs.

TheNorwegianstudyrecommendsap plyingtheNationalSystemsofInnovation approachtoastudyofthisarea. Thisisanapproachthathasbeenmuchusedininternational policydiscussionssuchastheOECD. Itprovidesameansbywhichtounderstandtheroleof therelevantinfrastructure . (SeeChapter2intheConceptsandIssuessection; see also Recommendation 1.1.) Furtherthestudyillustrateshowtomapthisinfrastructure (See Chapter4inSection2) with a view to conducting a set of expertinterviews. (Chapter9in Section3) Thus , the Norwegian study suggests to other countries an avenue by which to approach the concepts and issues and to apply them, especially in cases where statistical analysis is difficult. (see Methodology, below)

2. <u>Studyobjectives</u>

Inthisway,theNorwe gianstudytakesupthisareaofconcernandprovidesa comprehensiveexpl orationoftheissuesfromtheperspectiveofonecountry,Norway.The reportprovidesathoroughlookathowtheliteraturehasapproachedrelevantissues;it presentsatheoretical frameworktotreattherelationshipbetweenSMEsandIPRs;andit developssubstantiallynewempiricalresourcesinordertoanalyzeit.Aspecialsupplement hasalsobeenelaboratedtohelpdevelopingcountriestoapplythisstudytotheirown situations.

TheNorwegianstudycontributes assort of apilot -studywhich will hopefully be followed by other WIPO countries. Assuch it has gathered a lot of conceptual and theoretical background which will not need to be duplicated by other studies, but which ight be added to. As a general course of study, other countries can examine how this study is put to gether and executed in the Norwegian case. Hopefully this will provide the inspiration as well as the basis of analysis that, in turn, can be adapted to the particular conditions of individual other countries.

Inthiscontext, the pilot -studylay soutthree base -lines for subsequent studies.

- Carefulattentiontocountry -specificconditions(theinstitutionsthatareavailableto SMEs)
- Attentive exploration of different types of information (including statistics)
- Anunderstanding of the way other countries have approached the same question.

Giventhesegeneralpremises, the Norwegian studymakes the specific recommendation (recommendation 1.1. Extension of analytic basis to other countries) that other countries should attempt to coordinate the studies they might conduct, in order to ensure areas on able degree of continuity and comparability. We recommend that such studies should be coordinated, for example by the WIPO.

3. ReportDesign

Ingeneral, the approach utilized in the Norwegian case moved on four general levels. There is:

- 1. Aconceptualleveltoflushoutthemainissuesinvolvingtherelationshipbetween SMEsandIPRsandtoarguefortheuse oftheNationalSystemsofInnovation approachtoanalyzingit;
- 2. Asurveyleveltoexploretherelevantempiricalevidenceintheliterature,topresent existingempiricalinformationaboutNorwegianSMEs,andtomaptheNorwegian IP-system;

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- 3. Ananalyticle veltoexploreandanalyzestatisticalevidenceaboutIPR -usebySMEs andtoconductaroundofexpert -interviewsatkeypointsintheIP -systeminorder tosupplementthestatisticalpicture,and
- 4. Arecommendationleveltoformulaterecommendationstoimp rovehowSMEs mightbebetterassistedbyintellectualpropertyrightsinNorway.

Theselevelsarefoundinthethreemainsectionsofthereport. Wesummarize these here.

3.1. SectionOneexploresrelevantconceptsandissues.Heregeneralaspectsab outSMEs andtheIPSystemarepresented, and awide -ranginglookatwhattheliteraturedoes(and doesn't)tellusaboutfirm -sizeandintellectualpropertyrightsisconducted.Foracountrythat hasnoexperiencewiththistypeofstudy,thefirststep istolookbeyondtherawpatent countsthathavebecomewidespreadandtofocusonanalysisofIPRuse.Onthisscore,the Norwegianstudyprovidesanaccessiblesurveyofapproachesthathavebeenusedto understandkey -relationshipsinvolvingIPRs.We surveysomeofthemainfindingsofthe extantliteratureandpointoutsomeoftheliterature's limitations. One fundamental problem $for Norway and for other countries is that the analytical literature tends to focus on the {\it constant} and {\it constant} and {\it constant} are the {\it constant} are the$ situationincountrieslikethe USandJapan. Ittendstoignoremostothercountries and it tendstofocusonlyonpatenting. The Norwegian study surveyedrathermore of the literature thanwasnecessaryinordertohelpsubsequentstudies, especially indeveloping countries, to gett heirbearingsThisallowsthenationalpolicy -makersanaccessiblepresentationofwhat therelevantliteratures ays. In addition, the extended bibliography is are source that allows the interestedreaderanavenuebywhichtolookintotheliteraturehims elf.(Seeparticularly chapter3ofsection1)

Toorientthediscussionweforwardananalyticframeworkinwhichtoconceptualize the IPR-SME relationship. The National Systems of Innovation (NSI) framework is used to the IPR-SME relationship. The National Systems of Innovation (NSI) framework is used to the IPR-SME relationship. The National Systems of Innovation (NSI) framework is used to the IPR-SME relationship. The National Systems of Innovation (NSI) framework is used to the IPR-SME relationship. The National Systems of Innovation (NSI) framework is used to the IPR-SME relationship. The National Systems of Innovation (NSI) framework is used to the IPR-SME relationship (NSI) framework is used to the IPRexplicatethespecialrolethesup port-structureplaysforSMEs.Furthermore,thisframework helpstodescribethedifferentcomponentsoftheIP -systemandtohighlighttheseasintegral partsoftheinnovationsystemofNorway. And it will help to contextualize the round of interviews in Section 3. The selection of approaches sentially shapes the type of study that will be conducted. It is therefore important at the outset to widen the focus on the IP -system fromastringentfocusonlegalorformally(text -book)economicaldimensionsto includethe institutionalframeworkoftheIP -system.TheNationalSystemsofInnovationapproach allowsustodothis:itallowsustoorientthediscussionofIPRsandtheirusetotheexisting infrastructureand, second, to identify interviewees that ca nthenprovideexpertpointsofview on how Norwegian SME sapproach IPRs and the way the IP-systemfunctionsinthecountry. This means that important information can be integrated into the study, information that might otherwisebeexcludedbymoretradit ionalapproaches.(Seechapter2ofsection1, and the bibliographyformoreinformation)

3.2. SectionTwo:Itisimportanttoamassempiricalevidencethatmightberelevanttohow SMEsmightusetheIPR -system.InSectionTwooftheNorwegianstudy,we collecteda varietyofgeneralinformationaboutNorwegianSMEs,suchasgeneralpopulation - distributionsacrossindustrialactivities,innovativeness -indicators,aswellasmoregeneral evidencecomparingvolumesofpatentapplicationsetc.Inadditionwe soughtoutother studiesthatcouldhelpusunderstandthepopulationofNorwegianSMEs(seechapter5of section2).Thisisveryimportantas,ineachcountry,themixofcompaniesthatmakeupthe "SMEs"willbeverydifferent:itisimportanttounde rstandthepopulationunderstudy.In eachcasepotentialandavailableinformationsourcesshouldbeinvestigated.

SectionTwoisthusadescriptivesectionthatpresentsdetailedinformationaboutthe NorwegianIP -systemandaboutNorwegianSMEs.Itc onsistsoftwoempiricalsubsections. ThefirstdescribestheanatomyoftheNorwegianIP -system:itpresentsamapofthe NorwegianIPRsystemagainstthewiderbackgroundofitsInnovationSystem.Relevant informationaboutNorwegianSMEsisthensuppli edtohelpgetagriponhowthisgroupof enterprisesusesormightuseintellectualpropertyrights.

The compilation and analysis of formal data about how domestic SME sutilize the IP systems hould be a center piece of the study. In the Norwegian case, the study realized that two source of statistical information were available. We realized furthermore that we could, by combining these, present a detailed picture of the size -classes that a ctually apply for patents and trade marks and look at the mover time e, according to industrial activities, etc. The details of these databases (the Norwegian Patent Office patent and trade mark files combined with the Registry -data of Norwegian enterprises) are found in Annex 3. In addition to this annex, the approachisal so described both in the text (specifically chapters 7 and 8 in section 2).

Thesecondsubsection of Section Two then explores current IPR usage in Norway. Here, there port presents a completely new and unique look at how Norwegian SMEs are already using the patent and the trademark systems do mestically. This section is based on the laborious merging of patent and trademark databases from the Norwegian Patent Office with firm-level information from Norwegian registry - data. The resulting datasets gives us the firm-level information of all Norwegian enterprises who apply for patents and trademarks domestically. We are able to study the size of the enterprises that apply for patents and trademarks, their geographic location, and eventur nover. This opens new vist as for an alysis.

ThiscombinationofdatabasesisthemaininnovationoftheNorwegianstudy.Itrests ontheavailabilityofregistrydatathatprovidesfirm -levelinformation.Obviously,itis difficulttotellwhatsortofrelevantstatisticalma terialisavailableindifferentcountries.If weassumethatthistypeofinformationisnotavailable,thenthereshouldbeotherroutesto findoutsomethingabouttheattitudetoIPRsandhowSMEscurrentlyusetheIPRsystem.

Oneavenueistheintervi ew-approachalreadymentioned.Thisshouldbesupplementedwitha carefullydesignedsurveyofdifferentsize -classesofdomesticenterprises.

3.3. Section3reportsonaroundofexpert -interviewsthatwasdesignedtoprovideinsight intohowNorwegian SMEsapproachtheIP -systemandhowthewiderIP -systemcatersto theirspecialneeds.Theseobservationsallowustoconcludethegeneralassessmentofthe NorwegiansituationandtorecommendwaysofimprovingtherelationshipbetweenSMEs andIPRsinNo rway.

The final level of the Norwegian study thus involves the formulation of recommendations for policy - makers. These are forwarded in light of the observations made at the other levels of the report; they should therefore be read in context of the study as a whole. Intotal, the Norwegian study makes 15 recommendations ranging from the general to the more specific. It follows from the design of the study that these recommendations are suited to the particular context of the Norwegian system. However the ydo hold a certain degree of relevance for other countries.

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Ultimatelyitisthespecificset -upoftheparticularcountryandthespecificconditions inwhichitfindsitselfthatwilldeterminetherelevanceofsuchrecommendations.

Furthermoreits houldbeappreciatedthat,inanycontext,animprovementgenerallyinvolves aprocesswhichmaytakealongtime.Sincewearetalkingaboutthebehaviourandexpertise ofindividualsinSMEsaswellasinthesupport -structure,theimportantpartisthat the processthatisultimatelyimplementedaddressesanactualneedandthatitisproperly designedanddimensionedtosolvetheproblem.Therefore,therecommendationsthatwe makeinthereporttoinitiatesuchprocessesaregenerallynotonce -offcut anddrysolutions thatcanbeuncriticallyduplicated.

4. PrimaryFindingsoftheEmpiricalStudy

AcenterpieceofthereportistheexplorationofhowNorwegianSMEscurrentlyusethe IPRsysteminNorway. Thegeneralimpressionfromthedatabasewo rkisthatSMEsare, in absoluteterms, bigusersofthedomestic patentand trademark systems, and that they use these types of rightstoan increasing degree. At the same however, this workshows that larger enterprises are much more intensive users of both systems and indicates that they are much better users as well.

These impressions coincide with the results of the expert -interviews. Together the empirical material suggests a number of concerns and problems, and it allows a vantage point to forward a set of recommendation stoad dress them. These are reviewed in the recommendations section below. Here we will review some of specific sabout current -use.

4.1. Patents

Thereportshowsthat:

- Inabsoluteterms,roughlythesamenumberofpatentsare appliedforbydomestic SMEsasbylargedomesticcompanies,whilethemajorityofapplicationscomefrom independentapplicants.
- Thenumberofpatentapplicationshaverisenstronglyduringthe 1990s: the strongest growth has infact been the population of applications involving SMEs.
- Inrelativeterms, large enterprises applyonaverage 40 times more often than micro enterprises; 20 times more often than small; and eight times as often as medium enterprises for patent -protection. On average, a little more than one domestic application is made everyyear per 100 Norwegian firms.
- Largerentitiestendtoapplyformorethanoneapplicationtoamuchlargerdegree thansmallerfirms.Ingeneral,thesmallerthefirm -size,thefewertheaverage applicationsaremade
- The applications of large firms differ from those of smaller applicants in terms of technology. While for typercent of Norwegian applications for chemistry and pharmaceutical-related-technologies were from large enterprises, more than eight of typercent of the applications for electrical engineering were from the other size classes.
- Thepropensitytopatentisfundamentallyrelatedtothekey -product(NACE classification)oftheapplicant.Applicantsinvolvedinelectricalequipmentare3 times, offshoreenterprises10times, and R&D service enterprises20times more likelythan average to apply for a patent.
- Therearemajordifferencesinthegeographic distributions of patenta pplicants. Large applicant stend to concentrate in urbanare as.

• Amajordifferencebetweensmallerandlargerapplicantsinvolvethe 'success' of their patentapplications. The study shows that the level of non -grant—especially cases in which the applicant with drawshis application—is dependent upon size. SMEs with draw one in three application while independent applicants with draw more than half of their applications.

4.2. Trademarks

Thereportshowsthat:

- The volume of applications from Norwegian applicants grewmore quickly than patents (nearly 80%) from the first to the latter half of the 1990s.
- Inabsoluteterms, applications from large enterprises made up under thirty percent of all applications during the decade, and their volume grewle as tquickly. The volume of SME applications was higher, and it grew more quickly.
- Inrelative terms, an average of eight applications were filed in a five -year period per 100 firmina given year. The propensity was highest among the largest firms, with over 104 applications per 100 firms. The equivalent was three for the esmallest firms, eight for small, and 17 applications for medium -sized firms.
- Theoccurrenceofmultipleapplications is again related to size. While only 28% of the smallest firms identified were involved in 20 rm or et rade mark applications, the equivalent for Large Enterprises was nearly 90%.
- Industrialactivitystronglyconditionsapplicationsfortrademark -registration,inaway thatcomplementsthatofpatent -applicants.EnterprisesinBasicServices(NACE classification)dominatetrademarkapplicati ons,whilemanyotherscomefrom BusinessServicesandICTServices.
- Trademarkapplicationsarefirstandforemostanurbanphenomenon.Osloand environs,Trondheim,andBergenaccountfornearlythree -quartersofthetotalnumber ofNorwegianapplicatio ns

5. Recommendations

Thedatabasework, the expert -interviews and the literature -survey helpedidentify apparent concerns, needs and problems in the relationship between IPRs and SMEs in Norway, and suggests what can be done to improve both the use and the conditions of use of the IP -System for this population. Based on this work, the report makes three sets of a total of 15 recommendations. These range from the general to the more specific.

5.1. Measurestoimproveknowledgeabouttheinter -relationshipbetweenSMEsandtheIPR system.

Thefirstsetofrecommendationsaddressedthelackofreliableandrelevantdata, and thescopeforimproving analysis in this area. The literature survey exposed a limitation of the literature to patenting and to self-ectad vanced countries, with only a small set of studies dedicated to the size -based propensity to patent. The report recommends that the Norwegian study be extended and adapted to other WIPO countries (1.1.); that the basis for analysis in Norway beimpro ved, and that more detailed analysis be supported in Norway. (1.2. and 1.3.)

5.2. Measuresinvolvinggeneral 'attitudes' towards, and knowledge about, intellectual property rights in Norway

Thesecondsetofrecommendationsaddressesmeasurestoimpro vecentralaspectsof the IP-System, including industrial IPR policy and education. In Norway there is a need for a more unified policy on questions that involve the strategicus eo fintelle ctual property rights. A vitalization of the national discussion of IPR is sues and the development of a more unified policy on questions that involve the strategicus eo fintelle ctual property rights would invigorate awareness of IP is sues not least a mong small and medium size denter prises; it would serve to height enconscious nessabout the IP-system within the wide rinnovation system; and it would help deepen the understanding of the IP-system both in institutions and enterprises. (2.1.)

ThereisalsoanexpressedneedtotrytointegrateIPR -issuesmoreactivelyintot he nationaleducationalsystem.(2.2.)TodayIPRissuesareisolatedinNorwaytopartsofthe legaleducation.BalancedexposuretotheIP -systemwithintheexistingeducational frameworkisseeninthelong -termtobethebestwaytopromotemoresophist icateduseof thesystem.Thestudythereforeencouragesinitiativestostudyandimplementthebestways ofaccomplishingthis.

5.3. RecommendationstargetingtheoperativeformandfunctionoftheIP -systemasa whole

Thethirdsetofrecommendatio nspresentsanumberofbasicrecommendationsthat targetindividualpartsoftheNorwegianIP -system.Atthetop -level,wechallengethe institutionsoftheIP -systemtoexplorehowtheycantogetherimprovetheirefficiencyin helpingSMEs.Werecommend exploringinitiativesthatencouragegreaterexchangeof experiencesandknow -howacrossinstitutionsintheIP -system.Thereisalsoaneedto nourishthecurrentoutreachactivitiesundertakenbytheNorwegianPatentOffice.We recommendthatthiswork besystematicallyfollowedupandthattheexperienceofother countriesbeactivelymonitoredinordertoensuretheuseofbestpracticesonthisfront.(3.3., 2.3.)

The study encountered several indications that the overall working of the IP -system in Norway could be improved. One major concern that emerged is that the considerable number of smaller entities who already use the patent and the trade mark systems have significant problems indoing so effectively. The database work especially raises the question (via high with drawal rates) of how skilfully SME suse the system. The study recommends that the national IP systems hould aim to reduce the number of with drawals that result from misconceptions of the system or in poor competences in dealing with in t. (3.1.)

Therecommendationsaddressothermorespecificareaswhereitisimportantthatthe underlyingproblemandpossiblesolutionsbefurtherunderstoodandaddressed.Ingeneral, werecommendthatthisworkbeinitiatedbytheresponsibleandco mpetentinstitutions.Itis recommendedforexample,thatgreaterattentionbedirectedtoIPRissuesbythecentral institutionsofthesupportstructure,especiallytheResearchCouncil.Otherinitiativestobe consideredincludetargetinguseofdesign rights(3.4.);whetherpetty -rights/utilitypatents shouldbeintroducedtotheIP -SystemofNorway(3.8);andwhetherpatentagentsshould undergoformalcertification.(3.5)

ThereportalsoencouragestheIP -systemtoexploreemergingissues. Thesei nclude studyingtheramificationsfortheinfrastructureoftheincreasedemphasisonthe commercializationofacademicresearchinNorwayandelsewhere. (3.9)Otherstopicswanting attentioninvolveevaluatinginitiativesdevelopedelsewheretoaddressmor eestablished problemareas. One sucharea involves measuresto activate idle patents and design rights to the bestadvantage of small and medium -sizedenter prises. (3.7)

Finally, the report finds the improvement of SME security in litigation cases of vi importance. (3.6) The study indicates that this is a central underlying concern for small and medium-sized enterprises. In surances chemes are seen as a way to deterin discriminate in fringement proceedings leverage dagainst weaker parties, who seen force ment capabilities are limited. In surances cheme sunder consideration or implemented elsewhere should therefore be evaluated for their relevance in the Norwegian context.

6. Conclusions

Inconclusion, it is worth highlighting for the Moscow Forum there commendation to extend the type of study to other country contexts. In this context, the Norwegian study indicated that one of the fundamental stumbling blocks in addressing how SMEs may be better assisted by intellectual property system is the lack of reliable ableand suitably detailed information about how SMEs used if ferent IPR sind if ferent IP - systems. We showed that patent-data dominates the analytical basis for the "IPR studies" and that these studies are limited to individual countries. We know very little about the practical uses of other rights such as design, copy right and trade marks, and we know very little about the situation in the vast majority of countries. Further we noted that the specific use of intellectual property rights should be related to the specific institutional set - upof the IP - system in a given country, as the sed if ferconsiderably from country to country.

Inviewofthis,werecommendthatthetypeofpilot -studyundertakenhereshouldbe extendedtootherWIPOmembercountries.Att hisstage,studiesthatmaptheIPR systemsof individualcountries,thatexplorehowtheconcernsabouttheirsmallandmedium -sized enterprisesareaddressedbythosesystems,andthatinvestigatehowSMEsinthosecountries approachandutilizethesyst ems,areseenasthebestwayforward.Atthisstage,studiesthat maptheIP -systemsofindividualcountries,thatexplorehowtheconcernsabouttheirsmall andmedium -sizedenterprisesareaddressedbythosesystems,andthatinvestigatehowSMEs intho secountriesapproachandutilizethesystems,areseenasthebestwayforward.Inorder toensureareasonabledegreeofcontinuityandcomparability,suchstudiesshouldbe coordinated,forexamplebytheWIPO.

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